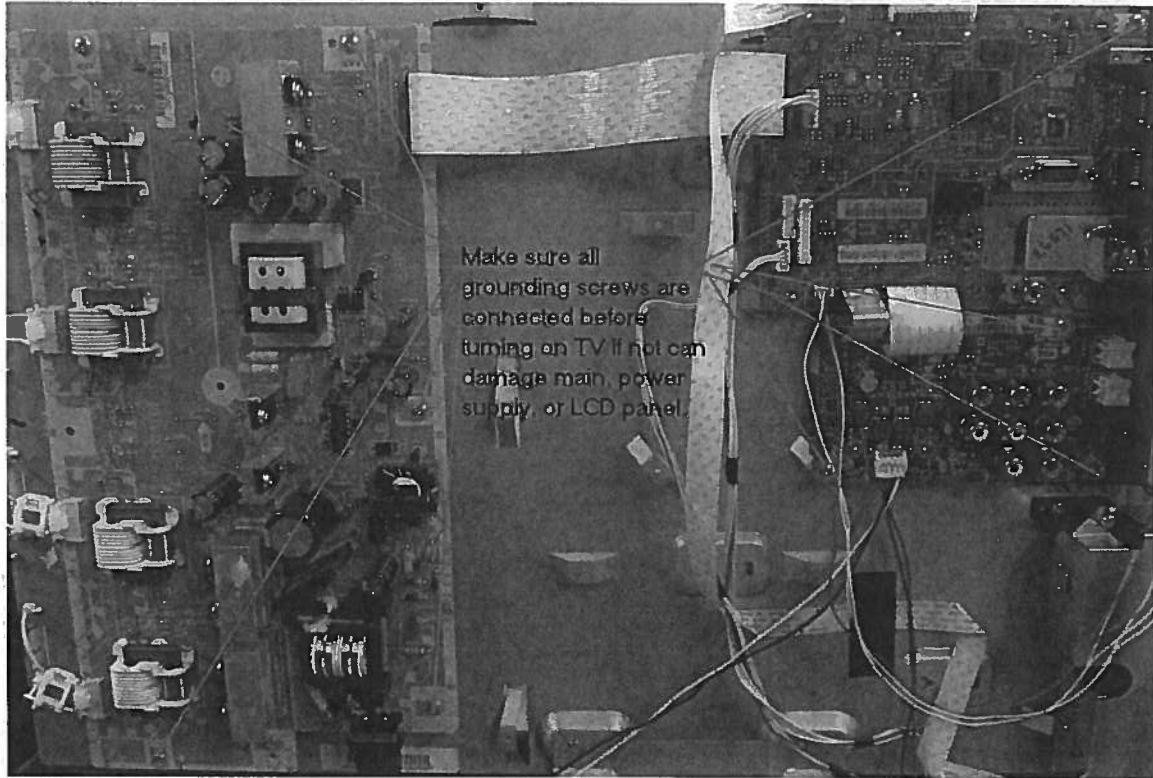


ATTENTION ON ALL DVD/TV combo TV's

When working on a TV/DVD combo unit make sure you have all your ground screws connected when turning on TV if not can damage the main board, power supply, or LCD panel.



WHEN REPLACING DVD DECK

[When removing the DVD Deck]

Before removing Pick Up PCB and DVD MT PCB connector, the short circuit the position shown in Fig. 1 using a soldering iron. If you remove the DVD Deck with no soldering, the Laser may be damaged.

[When installing the DVD Deck]

Remove all the soldering on the short circuit position after the connection of Pick Up PCB and DVD MT PCB connector.

NOTE

- Before your operation, please read "PREPARATION OF SERVICING".
- Use the Lead Free solder.
- Manual soldering conditions
 - Soldering temperature: $320 \pm 20^{\circ}\text{C}$
 - Soldering time: Within 3 seconds
 - Soldering combination: Sn-3.0Ag-0.5Cu
- When Soldering/Removing of solder, use the draw in equipment over the Pick Up Unit to keep the Flux smoke away from it.

There are 4 solder pads. If the top & bottom pads are shorted together, this solder must be removed for the DVD to operate.

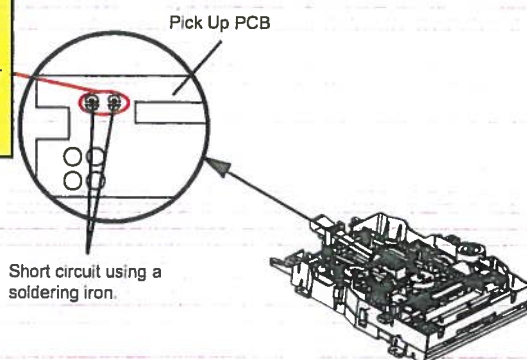


Fig. 1

PREPARATION OF SERVICING

The laser diode used for a pickup head may be destroyed with external static electricity. Moreover, even if it is operating normally after repair, when static electricity discharge is received at the time of repair, the life of the product may be shortened. Please perform the following measure against static electricity, be careful of destruction of a laser diode at the time of repair.

- Place the unit on a workstation equipped to protect against static electricity, such as conductive mat.
- Soldering iron with ground wire or ceramic type is used.
- A worker needs to use a ground conductive wrist strap for body.

There are 4 solder pads in the "white" circle. The top & bottom pads are shorted together from the factory and this solder must be removed for the DVD to operate.

The solder short has been removed. It is difficult to see, but the top & bottom pads are not connected/shorted. DVD will operate.



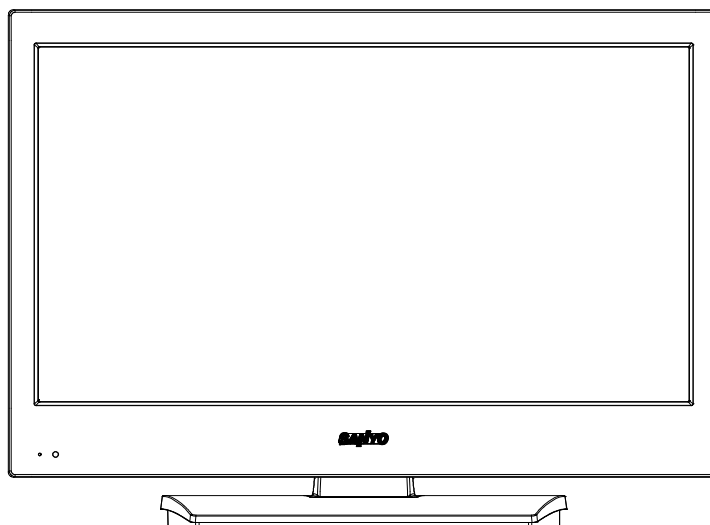


SANYO Factory Code Z6BE
Service Reference NO. 298

DP26671

SERVICE MANUAL

26" HDTV LCD/DVD Combo



ORIGINAL
MFR'S VERSION A

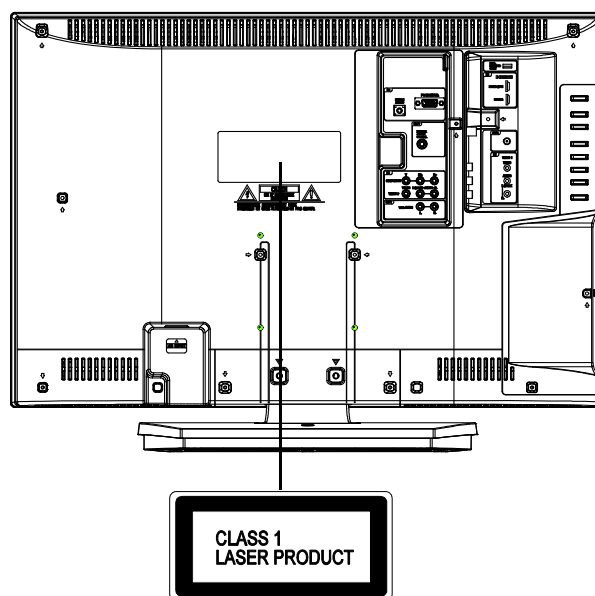
Design and specifications are subject to change without notice.

IMPOTANT WARNING

CAUTION:

DVD PLAYER IS A CLASS 1 LASER PRODUCT. HOWEVER THIS PLAYER USES A VISIBLE LASER BEAM WHICH COULD CAUSE HAZARDOUS RADIATION EXPOSURE IF DIRECTED. BE SURE TO OPERATE THE PLAYER CORRECTLY AS INSTRUCTED.

THE FOLLOWING CAUTION LABEL IS LOCATED ON THE REAR PANEL OF THE PLAYER.



(Printed on the Rear Panel)

WHEN THIS PLAYER IS PLUGGED TO THE WALL OUTLET, DO NOT PLACE YOUR EYES CLOSE TO THE OPENING OF THE DISC TRAY AND OTHER OPENINGS TO LOOK INTO THE INSIDE OF THIS PLAYER.

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

SERVICING NOTICES ON CHECKING


1. KEEP THE NOTICES

As for the places which need special attentions, they are indicated with the labels or seals on the cabinet, chassis and parts. Make sure to keep the indications and notices in the operation manual.

2. AVOID AN ELECTRIC SHOCK

There is a high voltage part inside. Avoid an electric shock while the electric current is flowing.

3. USE THE DESIGNATED PARTS

The parts in this equipment have the specific characters of incombustibility and withstand voltage for safety. Therefore, the part which is replaced should be used the part which has the same character.
Especially as to the important parts for safety which is indicated in the circuit diagram or the table of parts as a  mark, the designated parts must be used.

4. BE CAREFUL WITH THE LCD PANEL

Avoid a shock to the panel while servicing.
Take enough care to deal with it.

5. PUT PARTS AND WIRES IN THE ORIGINAL POSITION AFTER ASSEMBLING OR WIRING

There are parts which use the insulation material such as a tube or tape for safety, or which are assembled in the condition that these do not contact with the printed board.
The inside wiring is designed not to get closer to the pyrogenic parts and high voltage parts.
Therefore, put these parts in the original positions.

6. PERFORM A SAFETY CHECK AFTER SERVICING

Confirm that the screws, parts and wiring which were removed in order to service are put in the original positions, or whether there are the portions which are deteriorated around the serviced places serviced or not. Check the insulation between the antenna terminal or external metal and the AC cord plug blades. And be sure the safety of that.

(INSULATION CHECK PROCEDURE)

1. Unplug the plug from the AC outlet.
2. Remove the antenna terminal on TV and turn on the TV.
3. Insulation resistance between the cord plug terminals and the external exposure metal **[Note 2]** should be more than 1M ohm by using the 500V insulation resistance meter **[Note 1]**.
4. If the insulation resistance is less than 1M ohm, the inspection repair should be required.

[Note 1]

If you have not the 500V insulation resistance meter, use a Tester.

[Note 2]

External exposure metal: Antenna terminal
Headphone jack

HOW TO ORDER PARTS

Please include the following informations when you order parts. (Particularly the VERSION LETTER.)

1. MODEL NUMBER and VERSION LETTER

The MODEL NUMBER can be found on the back of each product and the VERSION LETTER can be found at the end of the SERIAL NUMBER.

2. PART NO. and DESCRIPTION

You can find it in your SERVICE MANUAL.

IMPORTANT

When you exchange IC and Transistor with a heat sink, apply silicon grease (YG6260M) on the contact section of the heat sink. Before applying new silicon grease, remove all the old silicon grease.
(Old grease may cause damage to the IC and Transistor).

WHEN REPLACING DVD DECK

[When removing the DVD Deck]

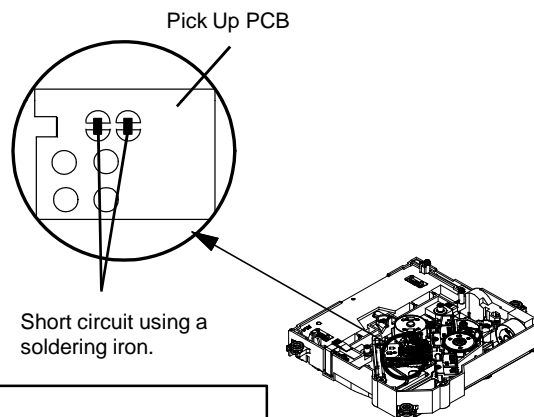
Before removing Pick Up PCB and DVD MT PCB connector, the short circuit the position shown in **Fig. 1** using a soldering iron. If you remove the DVD Deck with no soldering, the Laser may be damaged.

[When installing the DVD Deck]

Remove all the soldering on the short circuit position after the connection of Pick Up PCB and DVD MT PCB connector.

NOTE

- Before your operation, please read "PREPARATION OF SERVICING".
- Use the Lead Free solder.
- Manual soldering conditions
 - Soldering temperature: $350 \pm 5^{\circ}\text{C}$
 - Soldering time: Within 4 seconds
 - Soldering combination: Sn-3.0Ag-0.5Cu
- When Soldering/Removing of solder, use the draw in equipment over the Pick Up Unit to keep the Flux smoke away from it.



Note:

There are 4 solder pads. If the top & bottom pads are shorted together, this solder must be removed for the DVD to operate.

Fig. 1

PREPARATION OF SERVICING

The laser diode used for a pickup head may be destroyed with external static electricity.

Moreover, even if it is operating normally after repair, when static electricity discharge is received at the time of repair, the life of the product may be shortened.

Please perform the following measure against static electricity, be careful of destruction of a laser diode at the time of repair.

- Place the unit on a workstation equipped to protect against static electricity, such as conductive mat.
- Soldering iron with ground wire or ceramic type is used.
- A worker needs to use a ground conductive wrist strap for body.

DISC REMOVAL METHOD AT NO POWER SUPPLY

1. Remove the Stand, Front Cabinet Ass'y and LCD Panel.
(Refer to item 1 of the DISASSEMBLY INSTRUCTIONS.)
2. Slide the Rack Base toward the arrow direction by hand to release the lock. (Refer to Fig. 1)
3. Take out the Disc from the DVD Deck. Be careful not to scratch on the Disc.

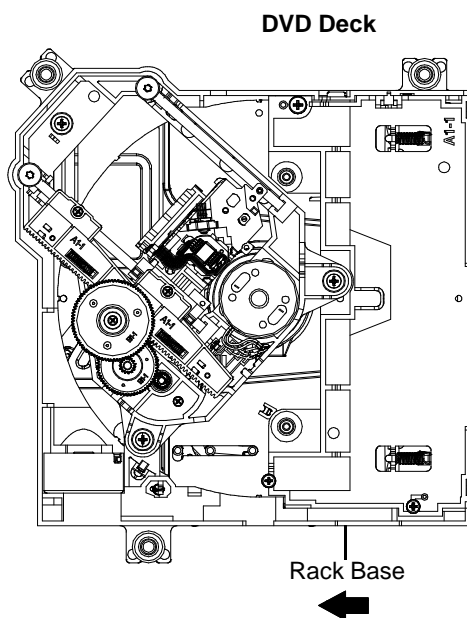
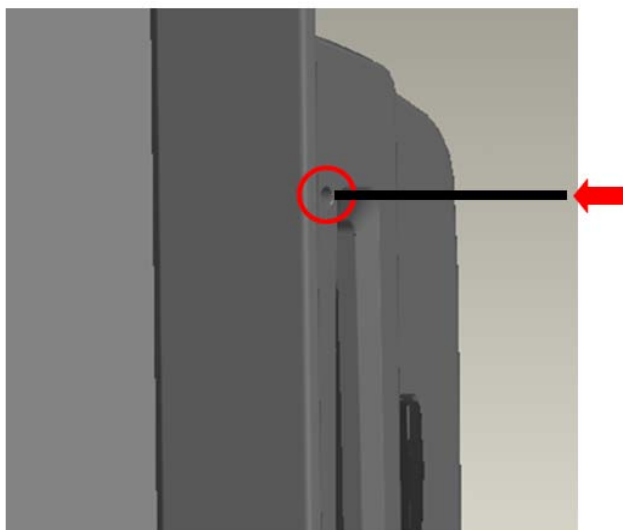


Fig. 1

HOW TO DSM-5 DISC IRREGULAR EJECT

1. You must be take off power cord first and waiting until Disc stop then proceeding further.
2. Insert the long wood bar or steel bar (diameter about 2 mm.) into hole side of unit for take out Disc.



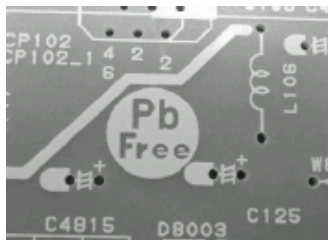
Caution:

- Please take out Disc with the above method. If you use other method, it maybe NG.
- Use this method only emergency case. If you use it in case of DVD Unit is normal, it maybe NG.
- While Disc is playing back, reading or searching, do not take out it with this method.
Disc maybe scratch if you take out it while it's reading.

ABOUT LEAD FREE SOLDER (PbF)

Distinction of PbF PCB:

PCBs (manufactured) using lead free solder will have a PbF printing on the PCB.
(Please refer to figures.)



Caution:

- Pb free solder has a higher melting point than standard solder;
Typically the melting point is 86°F~104°F(30°C~40°C) higher.
Please use a soldering iron with temperature control and adjust it to 650°F ± 20°F (350°C ± 10°C).
In case of using high temperature soldering iron, please be careful not to heat too long.
- Pb free solder will tend to splash when heated too high (about 1100°F/ 600°C).
- All products with the printed circuit board with PbF printing must be serviced with lead free solder.
When soldering or unsoldering, completely remove all of the solder from the pins or solder area,
and be sure to heat the soldering points with the lead free solder until it melts sufficiently.

Recommendations

Recommended lead free solder composition is Sn-3.0Ag-0.5Cu.

TABLE OF CONTENTS

IMPORANT WARNING	A1-1
SERVICING NOTICES ON CHECKING	A1-2
HOW TO ORDER PARTS	A1-2
IMPORTANT	A1-2
WHEN REPLACING DVD DECK	A1-3
PREPARATION OF SERVICING	A1-3
DISC REMOVAL METHOD AT NO POWER SUPPLY	A1-4
HOW TO DSM-5 DISC IRREGULAR EJECT	A1-5
ABOUT LEAD FREE SOLDER (PbF)	A1-6
TABLE OF CONTENTS	A2-1
GENERAL SPECIFICATIONS	A3-1~A3-6
DISASSEMBLY INSTRUCTIONS	
1. REMOVAL OF MECHANICAL PARTS AND P. C. BOARDS.....	B1-1~B1-3
2. REMOVAL OF DVD DECK PARTS.....	B2-1~B2-5
3. REMOVAL AND INSTALLATION OF FLAT PACKAGE IC.....	B3-1, B3-2
SERVICE MODE LIST	C-1
WHEN REPLACING EEPROM (MEMORY) IC	C-2
ELECTRICAL ADJUSTMENTS	D-1~D-6
BLOCK DIAGRAMS	E-1, E-2
PRINTED CIRCUIT BOARDS	
DVD MT/SIDE JACK.....	F-1, F-2
MAIN.....	F-3~F-6
POWER/REMOCON/OPERATION (INSERTED).....	F-7, F-8
POWER/REMOCON/OPERATION/LOADING/PCB (CHIP).....	F-9, F-10
SCHEMATIC DIAGRAMS	
MPEG/MICON/DSP.....	G-1, G-2
MEMORY/SD CARD.....	G-3, G-4
LOADER/MOTOR DRV.....	G-5, G-6
VIDEO/AUDIO IN/OUT.....	G-7, G-8
FLASH.....	G-9, G-10
DDR2.....	G-11, G-12
HDMI.....	G-13, G-14
LVDS.....	G-15, G-16
MICON.....	G-17, G-18
SCALER POWER.....	G-19, G-20
TUNER.....	G-21, G-22
SCALER VIDEO/AUDIO.....	G-23, G-24
JACK.....	G-25, G-26
REGULATOR.....	G-27, G-28
POWER.....	G-29, G-30
INVERTER.....	G-31, G-32
OPERATION/REMOCON.....	G-33, H-34
JACK2.....	G-35, H-36
SOUND.....	G-37, H-38
LOADING MOTOR/PCB.....	G-39, G-40
INTERCONNECTION DIAGRAM	G-41, G-42
WAVEFORMS	H-1, H-2
MECHANICAL EXPLODED VIEWS	I1-1~I1-3
DVD DECK EXPLODED VIEW	I2-1
MECHANICAL REPLACEMENT PARTS LIST	J1-1
DVD DECK REPLACEMENT PARTS LIST	J2-1
ELECTRICAL REPLACEMENT PARTS LIST	J3-1~J3-8

GENERAL SPECIFICATIONS

G-1	TV System	LCD	LCD Size / Visual Size	26.01 inch / 660.5mmV
			LCD Type	Color TFT LCD
			Number of Pixels	1366(H) x 768(V)
			Double Scan	No
			View Range	88/88 degree
G-2	DVD System		Left/Right Up/Down	88/88 degree
			Bright Dot	$n \leq 2$
			Zero Bright Dot Ratio	70%
		Color System		NTSC
		Speaker		2 Speaker
G-3	Tuning System		Position	Bottom
			Size	1.6 x 4.8 inch
			Impedance	8 ohm
		Sound Output	Max	5.0W + 5.0W
			10%(Typical)	---
G-4	Signal	Color System		NTSC
		Disc		DVD, CD-DA, CD-R/RW
				DVD-R/RW (Video Format Only)
		Disc Diameter		120 mm
		Drive		DSM-5
G-5	Power	Search speed	Fwd	4 step
			Actual	4, 8, 16, 32 times (DVD)
			Rev	4, 8, 16, 32 times (CD)
			Actual	4 step
			Actual	4, 8, 16, 32 times (DVD)
G-6	Regulation		Actual	4, 8, 16, 32 times (CD)
		Slow speed	Fwd	4 step
			Actual	1/16, 1/8, 1/4, 1/2 times
			Rev	4 step
			Actual	1/16, 1/8, 1/4, 1/2 times
G-7	Temperature	Broadcasting System	Analog	US System M
			Digital	ATSC(8VSB)/QAM
		Tuner and Receive CH	System	1Tuner
		CH Coverage	Destination	US (W/CABLE)
		Intermediate Frequency	Digital	2~69, 4A, A-5~A-1, A~I, J~W, W+1~W+94
G-8	Operating Humidity		Analog	44.00MHz
			Picture(FP)	45.75MHz
			Sound(FS)	41.25MHz
			FP-FS	4.50MHz
		Preset CH		No
G-9	Clock and	Stereo/Dual TV Sound		US-Stereo
		Tuner Sound Muting		Yes
		Video Signal	Input Level	1 V p-p/75 ohm
			Output Level	--
			S/N Ratio (Weighted)	--
G-10	Signal		Horizontal Resolution at DVD Mode	--
		RGB Signal	Output Level	--
		Audio Signal	Input Level	-8.0dBm/50k ohm
			Output Level at DVD	-12 dBm/ 1k ohm (-20dBFs, 0dBFs=2.0Vrms)
			at TV	0-600mV /1k ohm
G-11	Power		Digital Output Level	0.5 V p-p/75 ohm
			S/N Ratio at DVD (Weighted)	85dB
			Harmonic Distortion	0.02% (1KHz)
			Frequency Response : at DVD	4 Hz - 44 KHz (96KHz)
			at Video CD	--
G-12	Power		at SVCD	--
			at CD	4 Hz - 20 KHz
		Power Source	AC	120V, 60Hz
			DC	--
		Power Consumption	at AC	76W at 120V 60Hz
G-13	Regulation		at DC	--
			Stand by (at AC)	0.3W at 120V 60Hz
			Energy Star	Yes
			Per Year	-- kWh/Year
		Protector	Power Fuse	Yes
G-14	Temperature		Safety Circuit	Yes
			IC Protector(Micro Fuse)	Yes
			Safety Radiation	UL(UL60065_7th)/cUL(CSA E60065_03)
			Laser	FCC/IC
				DHHS (IEC60825-1)
G-15	Operating Humidity	Operation		+5°C ~ +40°C
		Storage		-20°C ~ +60°C
		Space Around Unit		10cm (4inch)
				Less than 80% RH
				No

GENERAL SPECIFICATIONS

	Timer	Sleep Timer	Max Time	120 Min
		On Timer	Program	<u>Yes 1Program</u>
		Off Timer	Program	No
		Game Timer		No
G-10	Remote Control	Timer Back-up (at Power Off Mode) more than		-- Min Sec
		Unit		RC-SC
		Glow in Dark Remocon		No
		Remocon Format		SANYO
		Format		NEC
		Custom Code		38-C7 h
		Power Source	Voltage(D.C)	3V
			UM size x pcs	UM-3 x 2 pcs
		Total Keys		50 Keys
		Keys	POWER	Yes
			DISPLAY/-	No
			DISPLAY	Yes
			"_"	Yes
			TV/DVD	Yes
			EJECT	Yes
			1	Yes
			2	Yes
			3	Yes
			4	Yes
			5	Yes
			6	Yes
			7	Yes
			8	Yes
			9	Yes
			0	Yes
			MUTE	Yes
			SLEEP	Yes
			SETUP/TV MENU	Yes
			DVD MENU	Yes
			ENTER	Yes
			Left	Yes
			Right	Yes
			Up	Yes
			Down	Yes
			CH+	Yes
			CH-	Yes
			VOL+	Yes
			VOL-	Yes
			CH+ / Up	No
			CH- / Down	No
			VOL+ / Right	No
			VOL- / Left	No
			EXIT/CANCEL	Yes
			TOP MENU	Yes
			SEARCH-	Yes
			PLAY	Yes
			SEARCH+	Yes
			SKIP-	Yes
			SUBTITLE	Yes
			STOP	Yes
			SKIP+	Yes
			SLOW-	Yes
			PAUSE	Yes
			PLAY MODE	Yes
			SLOW+	Yes
			AUDIO	Yes
			RETURN	Yes
			REPEAT A-B	Yes
			ANGLE	Yes
			Picture Size	Yes
			MARKER	Yes
			CCD/JUMP	Yes
			Recall(Quick View)/ZOOM	Yes
			INPUT SELECT	Yes
			FREEZE	No
G-11	Features	Auto Shut Off		Yes
		Auto Search		No
		Power On Memory		Yes
		Hotel Mode		Yes
		Comb Filter		Yes
		Game Position		<u>3 -D</u> No

GENERAL SPECIFICATIONS

Auto Setup	Language	Yes
	TV Location	No
	Signal Type	Yes
	Automatic Search	Yes
		Yes
Picture Setting(TV)	Picture Preference	Yes
	Brightness , Contrast , Color	Yes
	Tint	Yes
	Sharpness	Yes
	Color Temperature	Yes
	DNR	Yes
	Backlight	Yes
Picture Setting(PC)		Yes
	HOR Position , VER Position	Yes
	Phase, Clock	Yes
	Red, Green, Blue	No
	Auto Adjust	Yes
Audio	MTS	Yes
	Equalizer Mode	Yes
	Tone Control (Bass/Treble/Balance)	Yes
	Equalizer Setting	Yes
	Stable Sound	No
	Surround	Yes
	Auto Volume(Automatic Volume Control)	Yes
	BBE	No
	SRS WOW (SRS 3D/Focus/Tru Bass)	No
	HDMI Audio	Yes
	Speakers(Variable Audio Out)	Yes
Tuning	CH Program	Yes
	Air/Cable	Yes
	ADD/DELETE	Yes
Label	CH Label	Yes
	Video Label	Yes
Favorite CH		No
V-Chip		Yes
	Type	USA Type
RRT Setup		Yes
Lock	Hotel Lock	No
	Channel Lock	No
	Video Lock	No
	Panel Lock	No
Menu Language		Englis
DBC (Dynamic Backlight Control)		No
Dynamic Gamma		Yes
Signal Meter (DTV Signal)		Yes
Closed Caption		Yes
CC Advanced		Yes
V-Chip Clear		Yes
Picture Size		Yes
HD Zoom		Yes
Film Mode		Yes
Aspect		No
PFC(Power Factor circuit)		No
Freeze frame		No
PIP/POP		No
Direct Input Selection		Yes
PC Plug and Play		No
Energy Star LOGO (OSD)		Yes
PC Standby		Yes
Digital Out	Dolby Digital	Yes
	MPEG	No
	PCM	Yes
	DTS	No
PC Monitor Input		Yes
	VGA (640x480)	Yes (60,72,75Hz)
	VGA (720x400)	Yes (70Hz)
	WVGA (848x480)	No
	SVGA (800x600)	Yes (56,60,72,75Hz)
	XGA (1024x768)	Yes (60,70,75Hz)
	WXGA (1280x768)	Yes (60Hz)
	WXGA (1280x720)	Yes (60Hz)
	WXGA (1360x768)	Yes (60Hz)
	SXGA (1280x1024)	No
	WXGA+ (1440x900)	No
	FHD (1920x1080)	No

GENERAL SPECIFICATIONS

	HDMI Input	VGA (640x480)	Yes
		720x480i (4:3)	Yes (60Hz)
		720x480i (16:9)	Yes (60Hz)
		720x480p (4:3)	Yes (60Hz)
		720x480p (16:9)	Yes (60Hz)
		720x576i (4:3)	No
		720x576i (16:9)	No
		720x576p (4:3)	No
		720x576p (16:9)	No
		1280x720p	Yes (60Hz)
		1920x1080i	Yes (60Hz)
		1920x1080p	Yes (60Hz)
		CEC (ORION Standard)	No
		Deep Color	No
		xvYCC	No
	DVI to HDMI Input	VGA (640x480)	Yes (60,72,75Hz)
		VGA (720x400)	Yes (70Hz)
		WVGA (848x480)	No
		SVGA (800x600)	Yes (56,60,72,75Hz)
		XGA (1024x768)	Yes (60,70,75Hz)
		WXGA (1280x768)	Yes (60Hz)
		WXGA (1280x720)	Yes (60Hz)
		WXGA (1360x768)	Yes (60Hz)
		SXGA (1280x1024)	No
		WXGA+ (1440x900)	No
	Component Input	FHD (1920x1080)	No
			Yes
		720x480i (4:3)	Yes (60Hz)
		720x480i (16:9)	Yes (60Hz)
		720x480p (4:3)	Yes (60Hz)
		720x480p (16:9)	Yes (60Hz)
		720x576i (4:3)	No
		720x576i (16:9)	No
		720x576p (4:3)	No
		720x576p (16:9)	No
	Wall Mount	1280x720p	Yes (60Hz)
		1920x1080i	Yes (60Hz)
		1920x1080p	No
	Stand	Size W x H(mm)	Yes (100 x 100)
		Screw Size	M4 x 10
	Stand	Tilt	No
		Swivel	No
Features (DVD)	Video CD Playback		No
			No
	SVCD Playback		No
			No
	MP3 Playback		Yes
			Yes
	JPEG		Yes
			Yes
	WMA		Yes
			Yes
	Macrovision		Yes (No Video Out)
			Yes
	Divx Playback		No
			No
	DMF Support		No
			No
	Digital Out	DMF Support	No
			No
	(Dolby Digital)		Yes
			Yes
	(MPEG)		Yes
			Yes
	(PCM)		No (Possible to output)
			No
	(DTS)		No
			No
	Down Mix Out	(Dolby Digital)	Yes
		(DTS)	No
	Auto Retract Disc		No
			No
	Closed Caption		Yes
			Yes
	Screen Saver		No
			No
	TV Screen	4:3 (Letter Box, Pan Scan)	Yes
		16:9 (Wide)	Yes
	Audio DAC		192kHz / 24bit
			192kHz / 24bit
G-12	Accessories	Owner's Manual	Language
			w/Guarantee Card
		Remote Control Unit	English / Spanish
		Rod Antenna	Yes
			Yes
			No
		Poles	--
		Terminal	--
		Loop Antenna	No
			No
		Terminal	--
		U/V Mixer	No
		DC Car Cord (Center+)	No
		Guarantee Card	No
		Warning Sheet	No
		Circuit Diagram	No

GENERAL SPECIFICATIONS

		Antenna Change Plug		No	
		Service Facility List		No	
		Important Safeguard		No	
		Dew/AHC Caution Sheet		No	
		Quick Set-up Sheet		No	
		Battery		No	
			UM size x pcs	--	
			OEM Brand	--	
		AC Adapter		No	
		AC Cord (for AC Adapter)		No	
		AC Cord		Yes	
		Cable Tie		No	
		AV Cord (2Pin-1Pin)		No	
		Registration Card (NDL Card)		No	
		300 to 75ohm Antenna Adapter		No	
		Sheet Information (FCC)		No	
		Sheet Information (DTV)		No	
		Sheet Information (Return)		Yes	
		Sheet Information (Picture Quality)		Yes	
		Sheet Information (Sheet Set Up)		No	
		Sheet Information (HDMI)		No	
		Sheet Information (CEA)		No	
		Cleaning Cloth		No	
		Stand Screw		Yes(5pcs)	
		Stand		Yes	
		Frame Stand		Yes	
G-13	Interface	Switch	Side	Power (Tact)	Yes
				Channel Up/Menu Up/Play	Yes
				Channel Down/Menu Down/Stop	Yes
				Volume Up/Menu >	Yes
				Volume Down/Menu <	Yes
				Menu	Yes
				Play	No (CH+ Alternative)
				Eject	Yes
				Skip+, Search+	No
				Skip-, Search-	No
				Still/Pause	No
				Stop	No (CH- Alternative)
				Main Power SW	No
				Input Select/Enter	Yes
		Indicator	Rear	Main Power SW	No
				Power/Stand-By	Yes (Green / Red)
				PC Stand-By	Yes (Red Blinking)
				Power Wake Up	No
		Terminals	Side	Video Input 1	RCA x 1
				Audio Input 1	RCA x 2(L/MONO, R)
				S - Input 1	No
				HDMI Input 1	Yes
				Analog Audio	PC Audio Input Alternative
				HDMI Input 2	Yes
				Analog Audio	No
				VHF/UHF Antenna Input	F Type
				USB (Software Update)	Yes
				Terminals	Rear
		Audio Input 2	RCA x 2(L/MONO, R)		
		S - Input 2	No		
		Video Output	No		
		Audio Output	RCA x 2 (Variable) (L, R)		
		Component Input 1	RCA x 3		
		Analog Audio	Video Input 2 Audio Input Alternative		
		Component Input 2	No		
		Analog Audio	No		
		Sub Woofer Out	No		
		PC Monitor Input	Yes		
		Analog Audio	Mini Pin Jack(ϕ3.5), STEREO		
		Digital Audio Output	Coaxial		
		DC Jack (Center +)	No		
		Video Input 3	No		
		Audio Input 3	No		
		S - Input 3	No		
		Other Terminal	No		
		AC Inlet	Yes		
		USB (JPEG/MP3/Software Update)	No		
		G-14	Set Size	Approx. W x D x H (mm)	
w/o Handle, Stand Approx. W x D x H (mm)				630.0 x 81.0 x 428.0	

GENERAL SPECIFICATIONS

G-15	Weight	Net (Approx.)		6.5kg(14.3lbs)
		Net w/o Handle, Stand (Approx.)		6.0kg(13.2lbs)
		Gross (Approx.)		7.9kg(17.4lbs)
		Gross w/Master Carton (Approx.)		--- kg (--- lbs)
G-16	Carton	Master Carton		No
		Content		--- Sets
		Material		--- / ---
		Dimensions W x D x H(mm)		---
		Description of Origin		---
		Gift Box		Double/White
		Material		No
		W/Color Photo Label		No
		W/Handle		No
		Dimensions W x D x H(mm)		732 x 176 x 515
		Description of Origin		No
		Drop Test		1 Corner / 3 Edges / 6 Surfaces
		Height (cm)		62
		Container Stuffing (40' container)		844 Sets/40' container
G-17	Material	Cabinet	Front	ABS 94HB
			Rear	PS 94V0 NON-DECABROM
			Stand	PS 94HB
			Jack Panel	--
		PCB	Non-Halogen Demand	No
			Eyelet Demand	Yes
G-18	Environment	Environmental standard requirement		Green procurement of SANYO
		Pb-free		Phase3(Phase3A)
		Measures for Whisker		Yes
		Rohs		Yes

DISASSEMBLY INSTRUCTIONS

1. REMOVAL OF MECHANICAL PARTS AND P.C. BOARDS

CAUTION

Be careful not to remove the FFC cable forcibly, because the FFC cable may be damaged.

1-1: STAND ASS'Y (Refer to Fig. 1-1)

1. Remove the 2 screws (1).
2. Remove the Stand Ass'y in the direction of arrow.

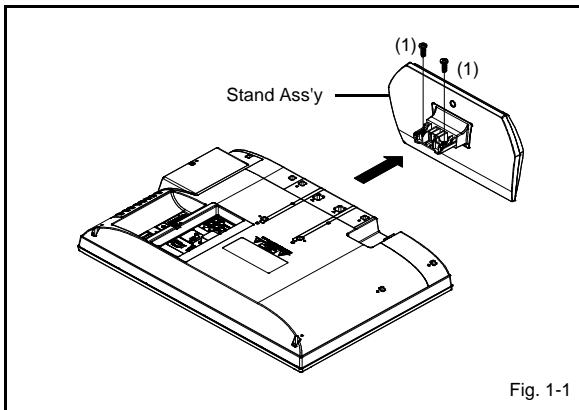


Fig. 1-1

1-2: BACK CABINET ASS'Y (Refer to Fig. 1-2)

1. Remove the 12 screws(1)
2. Remove the Back Cabinet Ass'y in the direction of arrow.

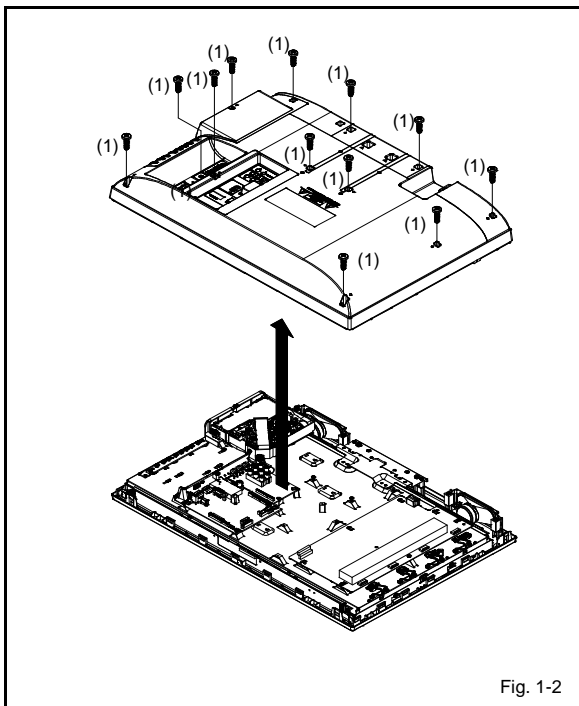


Fig. 1-2

1-3: DVD MT PCB/LOADER UNIT (Refer to Fig. 1-3)

1. Disconnect the following connectors:
(CP2301, CP2302, CP2303, CP8501 and CP8502).
2. Remove the 2 screws (1).
3. Remove the Shield Deck in the direction of arrow (A).
4. Remove the 2 screws (2).
5. Remove the DVD MT PCB in the direction of arrow (B).
6. Remove the Loader Unit in the direction of arrow (C).
7. Remove the screw (3).
8. Remove the Holder Deck B in the direction of arrow (D).

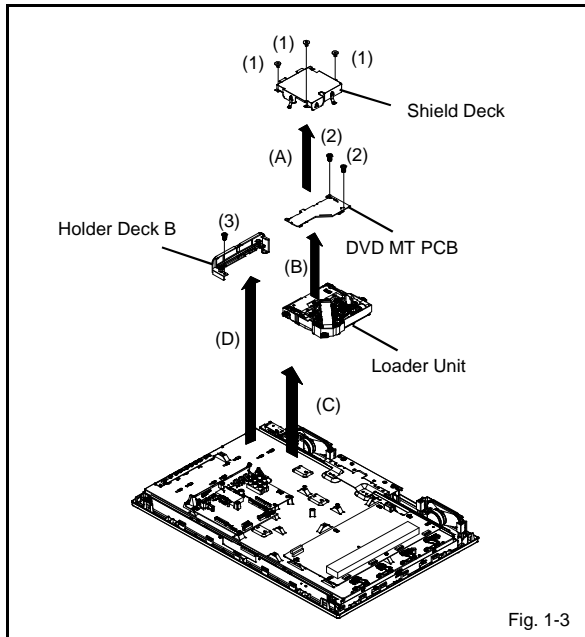


Fig. 1-3

1-4: MAIN PCB / SIDE JACK PCB (Refer to Fig. 1-4)

1. Remove the Plate Jack in the direction of arrow (A).
2. Remove the Shield Jack in the direction of arrow (B).
3. Disconnect the following connectors: (CD1201, CP2202, CP3003, CD4202, CD4203 and CP6201).
4. Remove the 7 screws (1)
5. Remove the Main PCB and Side Jack PCB in the direction of arrow (C).

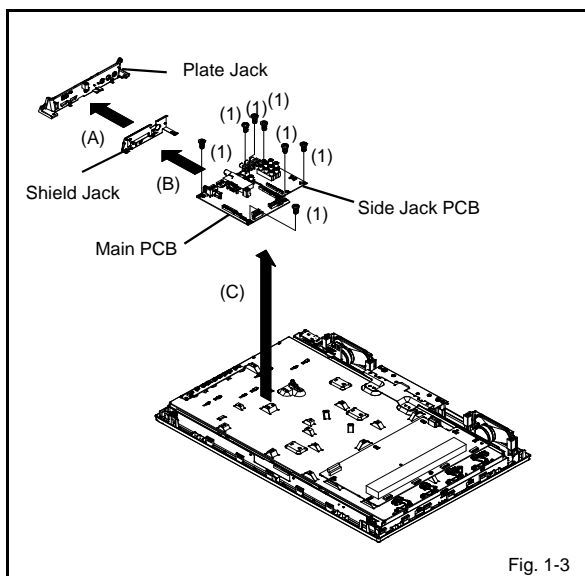
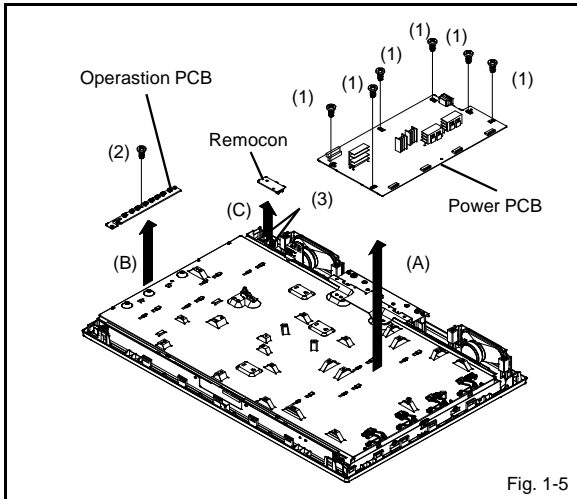


Fig. 1-3

DISASSEMBLY INSTRUCTIONS

1-5: POWER / REMOCON / OPERATION PCB (Refer to Fig. 1-5)

1. Remove the 6 screws (1)
2. Remove the Power PCB in the direction of arrow (A).
3. Remove the screw (2)
4. Remove the Operation PCB in the direction of arrow (B).
5. Unlock the 2 supports (3).
6. Remove the Remocon PCB in the direction of arrow (C).



DISASSEMBLY INSTRUCTIONS

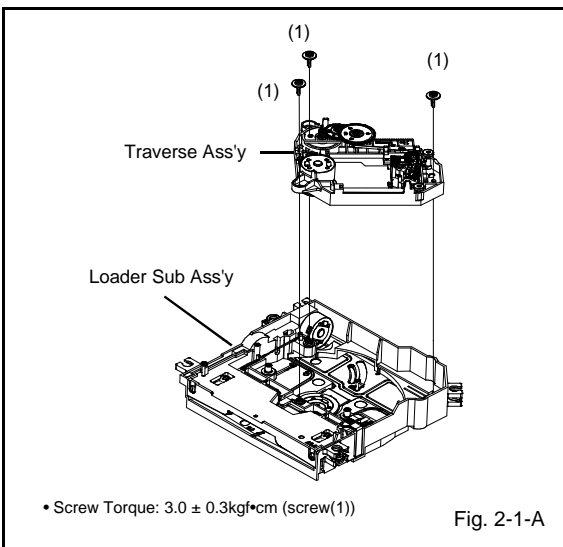
2. REMOVAL OF DVD DECK PARTS

NOTE

1. Disassemble only the DVD DECK PARTS parts listed here. Minute adjustments are needed if the disassembly is done. If the repair is needed except listed parts, replace the DVD MECHA ASS'Y.

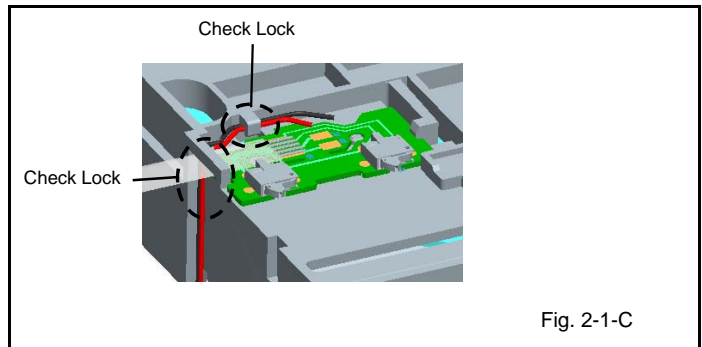
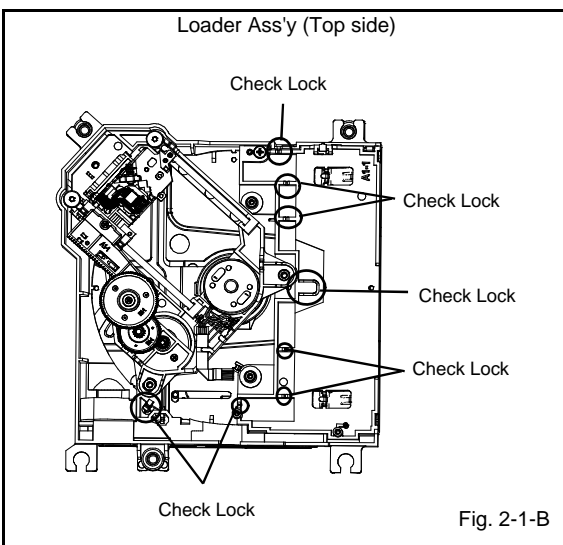
2-1: TRAVERSE ASS'Y/LOADER SUB ASS'Y (Refer to Fig. 2-1-A)

1. Remove the 3 screws (1).
2. Remove the Traverse Ass'y.



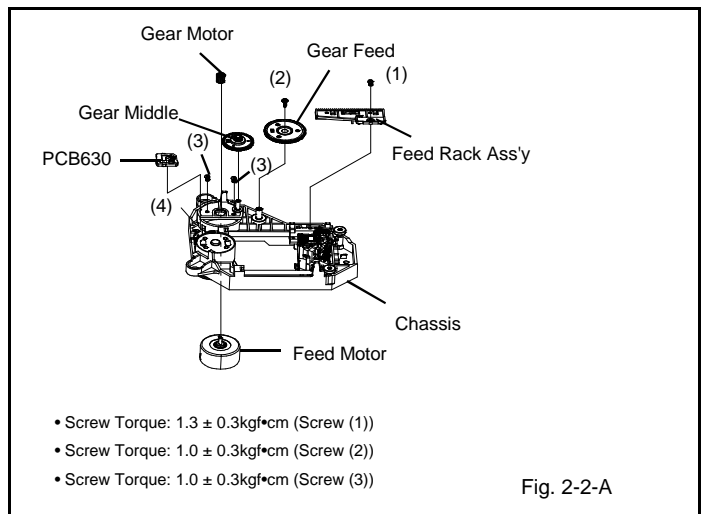
NOTE

1. In case of the Traverse Ass'y installation, hook the wire on the Loader Ass'y as shown Fig. 2-1-B to Fig. 2-1-C.



2-2: FEED RACK ASS'Y/GEAR FEED/GEAR MOTOR/ GEAR MIDDLE/FEED MOTOR/PCB630 (Refer to Fig. 2-2-A)

1. Remove the screw (1).
2. Remove the Feed Rack Ass'y.
3. Remove the screw (2).
4. Remove the Gear Feed.
5. Remove the Gear Middle.
6. Remove the Gear Motor.
7. Remove the 2 screws (3).
8. Remove the Feed Motor.
9. Unlock the support (4).
10. Remove the PCB630.



DISASSEMBLY INSTRUCTIONS

NOTE

1. In case of the Gear Motor installation, check if the value of the Fig. 2-2-B is correct.
2. When installing the wire of the PCB630 install it correctly as Fig. 2-2-C.
Manual soldering conditions
 - Soldering temperature: $350 \pm 5^{\circ}\text{C}$
 - Soldering time: Within 4 seconds
 - Soldering combination: Sn-3.0Ag-0.5Cu
3. When installing the Feed Rack Ass'y, push both ends to align the teeth as shown Fig. 2-2-D. Then install it.
4. After the assembly of the Traverse Ass'y, hook the wire on the Traverse Ass'y as shown Fig. 2-2-E.

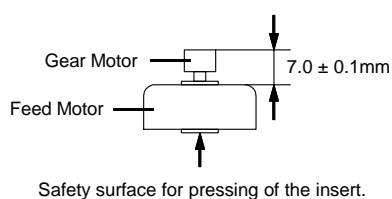


Fig. 2-2-B

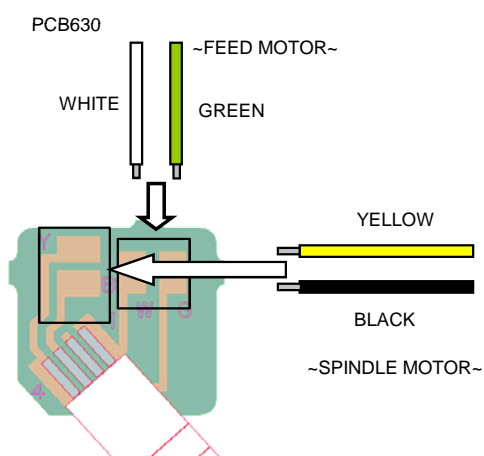


Fig. 2-2-C

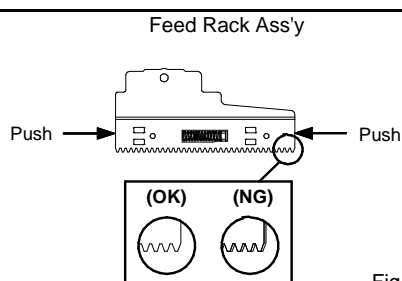
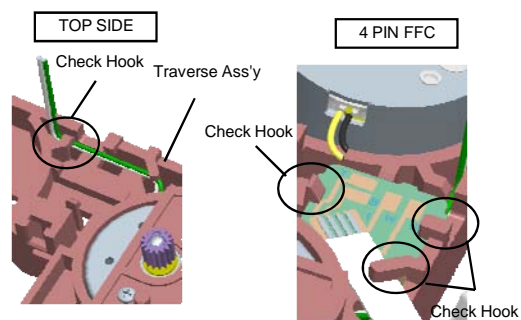


Fig. 2-2-D

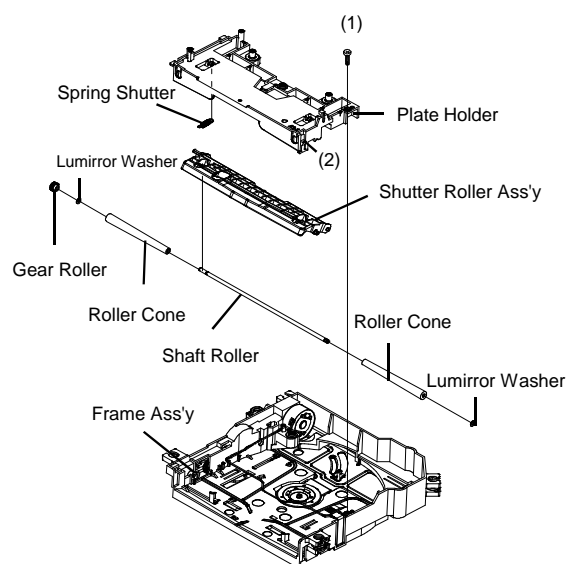


- In case of remove FEED MOTOR that has to arrange wire as following the picture on above.

Fig. 2-2-E

2.3: SPRING SHUTTER/PLATE HOLDER/SHUTTER ROLLER ASS'Y/ROLLER ASS'Y/GEAR ROLLER/LUMIRROR WASHER/ROLLER CONE/SHAFT ROLLER (Refer to Fig. 2-3-A)

1. Remove the Spring Shutter.
2. Remove the screw (1).
3. Unlock the support (2).
4. Remove the Plate Holder.
5. Remove the Shutter Roller Ass'y.
6. Remove the Roller Ass'y .
7. Remove the Gear Roller.
8. Remove the Lumirror Washer.
9. Remove the Roller Cone.
10. Remove the Shaft Roller.



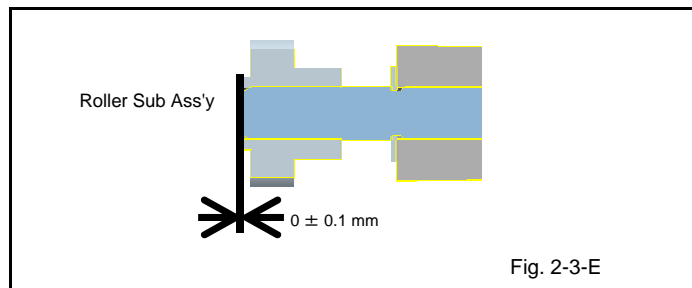
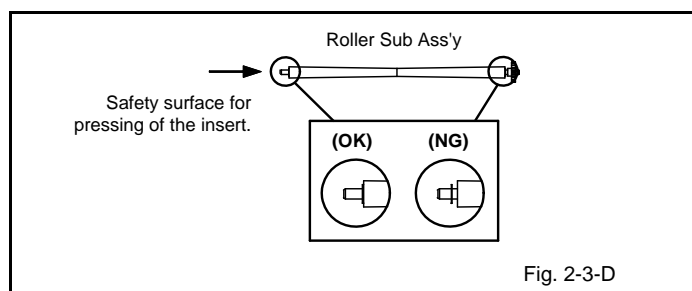
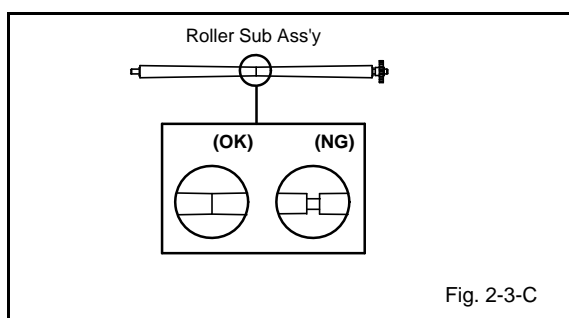
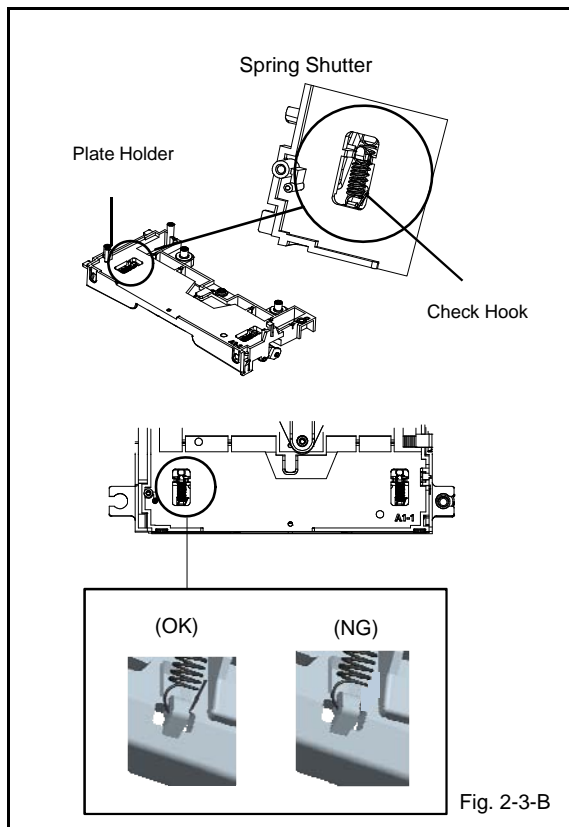
- Screw Torque: $3.0 \pm 0.3\text{kgf}\cdot\text{cm}$ (Screw (1))

Fig. 2-3-A

DISASSEMBLY INSTRUCTIONS

NOTE

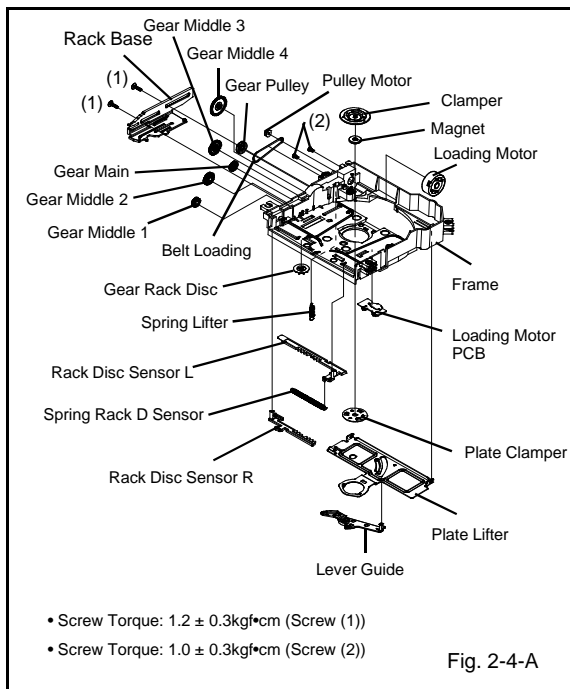
1. In case of the Shutter Roller Ass'y installation, check if the value of the Fig. 2-3-B is correct.
2. In case of the Roller Cone installation, install correctly as Fig. 2-3-C.
3. In case of the Lumirror Washer installation, install correctly as Fig. 2-3-D.
4. In case of the Gear Roller installation, check if the value of the Fig. 2-3-E is correct.



2.4: RACK BASE/GEAR MIDDLE4/BELT LOADING/GEAR PULLEY/GEAR MIDDLE3/GEAR MAIN/GEAR MIDDLE1/GEAR MIDDLE2/LOADING MOTOR/PULLEY MOTOR/CLAMPER/MAGNET/PLATE CLAMPER/SPRING LIFTER/PLATE LIFTER/LEVER GUIDE/LOADING MOTOR PCB/RACK DISC SENSOR R/RACK DISC SENSOR L/SPRING RACK D SENSOR/GEAR RACK DISC (Refer to Fig. 2-4-A)

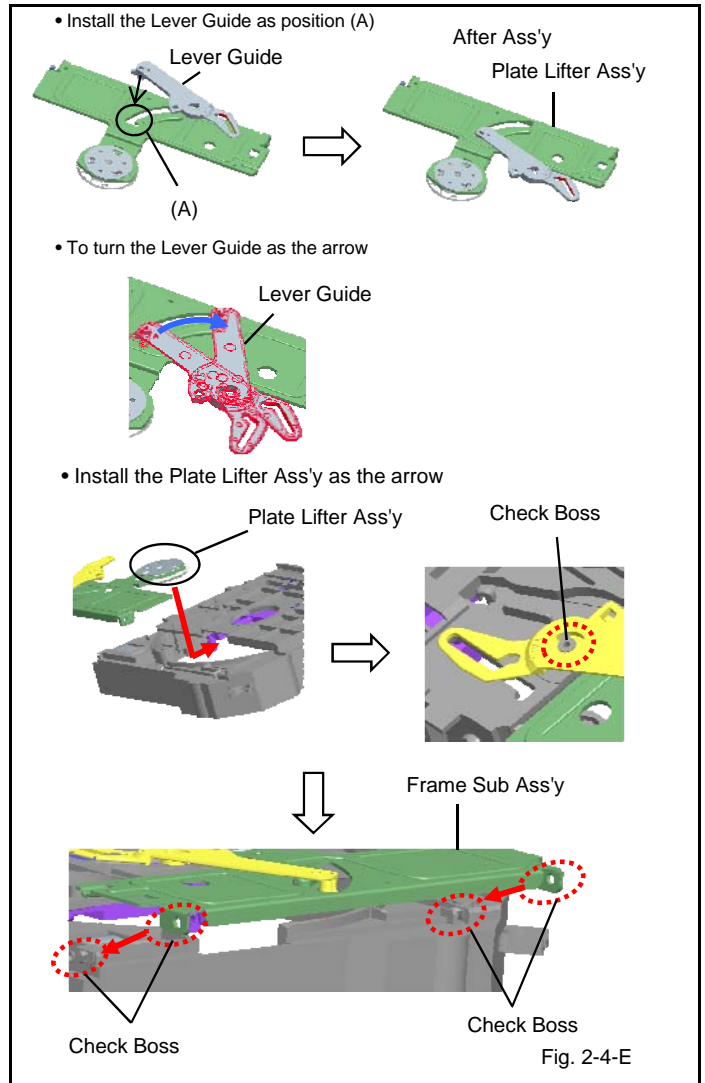
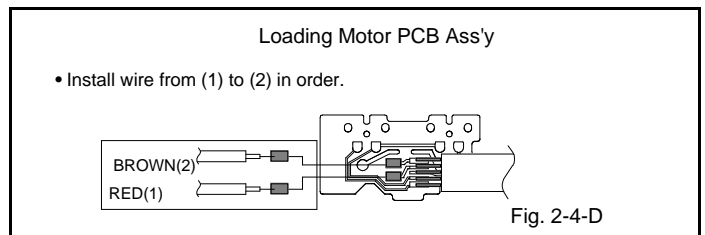
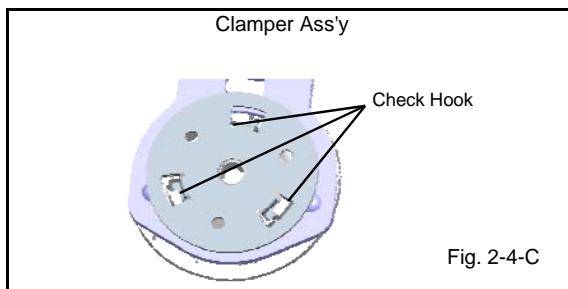
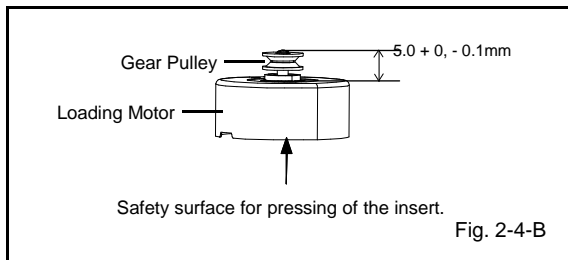
1. Remove the 2 screws (1).
2. Remove the Rack Base.
3. Remove the Gear Middle 4.
4. Remove the Belt Loading.
5. Remove the Gear Pulley.
6. Remove the Gear Middle 3.
7. Remove the Gear Main.
8. Remove the Gear Middle 1.
9. Remove the Gear Middle 2.
10. Remove the 2 screws (2).
11. Remove the Loading Motor.
12. Remove the Pulley Motor.
13. Remove the Clamper.
14. Remove the Magnet.
15. Remove the Plate Clamper.
16. Remove the Spring Lifter.
17. Remove the Plate Lifter.
18. Remove the Lever Guide.
19. Remove the Loading Motor PCB.
20. Remove the Rack Disc Sensor R.
21. Remove the Rack Disc Sensor L.
22. Remove the Spring Rack D Sensor.
23. Remove the Gear Rack Disc.

DISASSEMBLY INSTRUCTIONS

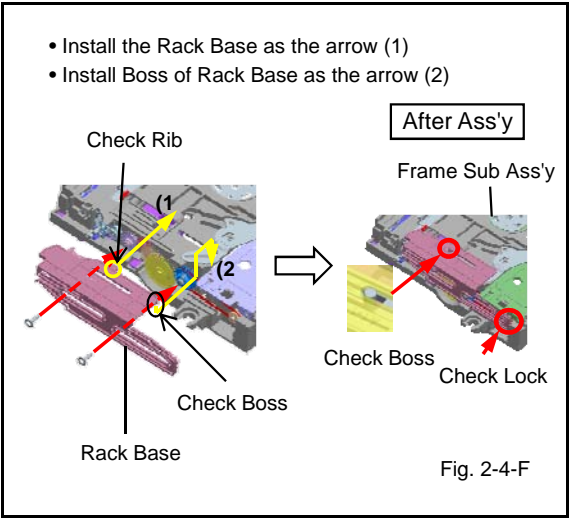


NOTE

1. In case of the Gear Pulley installation, check if the value of the Fig. 2-4-B is correct.
2. In case of the Clamper Ass'y installation, check if the value of the Fig. 2-4-C is correct.
3. When installing the wire of the Loading Motor PCB Ass'y, install it correctly as Fig. 2-4-D.
 Manual soldering conditions
 - Soldering temperature: $350 \pm 5^\circ \text{C}$
 - Soldering time: Within 4 seconds
 - Soldering combination: Sn-3.0Ag-0.5Cu
4. In case of the Plate Lifter Ass'y installation, install correctly as Fig. 2-4-E.
5. In case of the Rack Base installation, install correctly as Fig. 2-4-F.



DISASSEMBLY INSTRUCTIONS

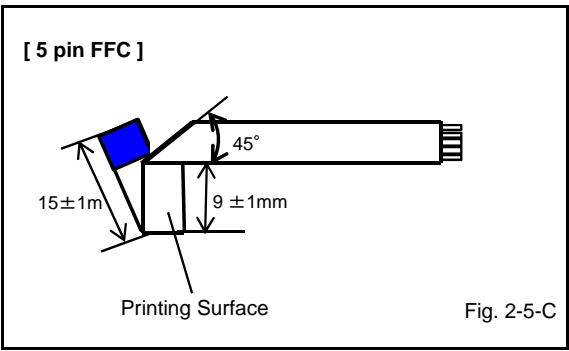
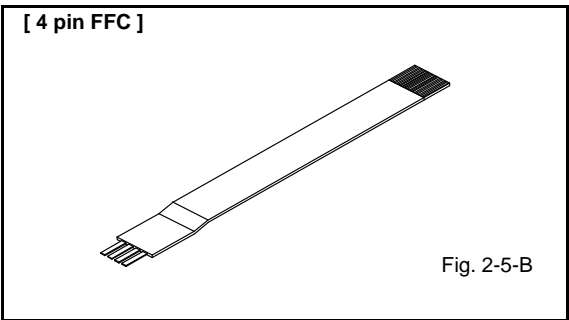
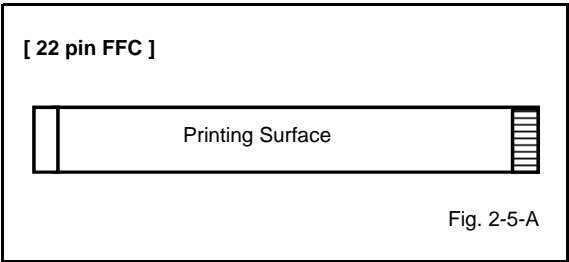


2-5: FFC WIRE HANDLING

1. When installing the FFC, fold it correctly and install it as shown from Fig. 2-5-A to Fig. 2-5-C.

NOTE

1. Do not make the folding lines except the specified positions for the FFC.



DISASSEMBLY INSTRUCTIONS

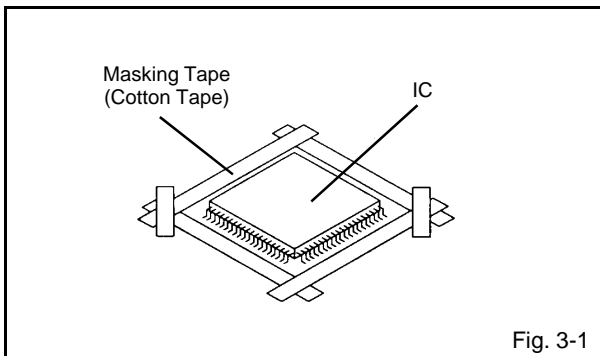
3. REMOVAL AND INSTALLATION OF FLAT PACKAGE IC

REMOVAL

1. Put Masking Tape (cotton tape) around the Flat Package IC to protect other parts from any damage. (Refer to Fig. 3-1.)

NOTE

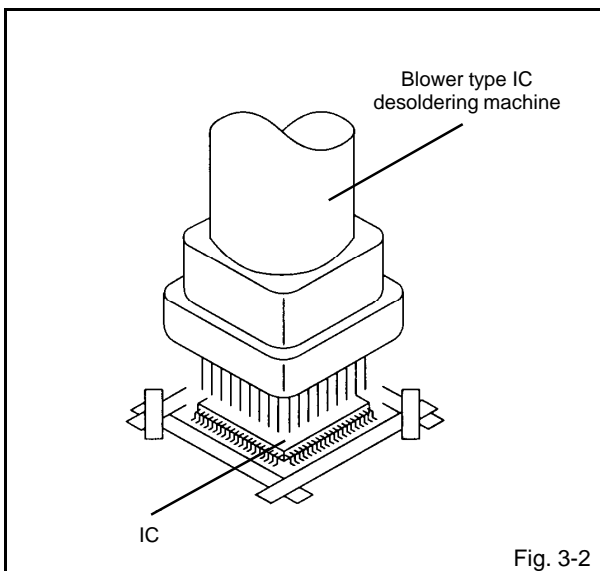
Masking is carried out on all the parts located within 10 mm distance from IC leads.



2. Heat the IC leads using a blower type IC desoldering machine. (Refer to Fig. 3-2.)

NOTE

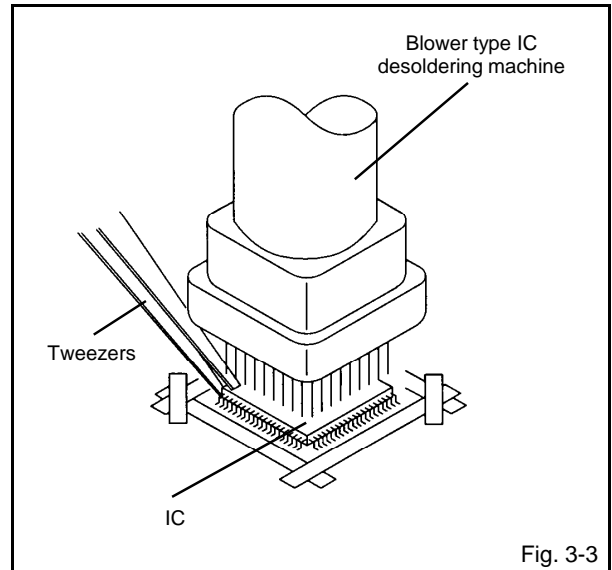
Do not rotate or move the IC back and forth, until IC can move back and forth easily after desoldering the leads completely.



3. When IC starts moving back and forth easily after desoldering completely, pickup the corner of the IC using tweezers and remove the IC by moving with the IC desoldering machine. (Refer to Fig. 3-3.)

NOTE

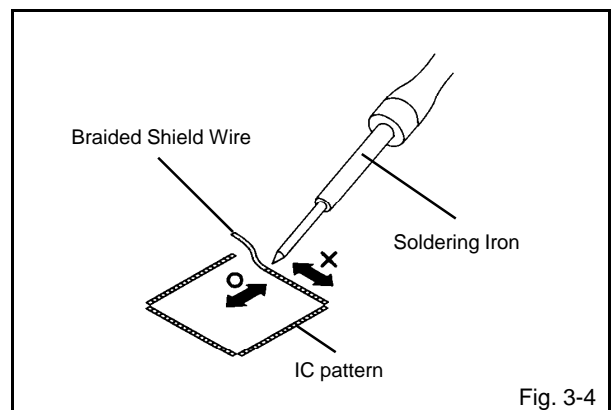
Some ICs on the PCB are affixed with glue, so be careful not to break or damage the foil of each IC leads or solder lands under the IC when removing it.



4. Peel off the Masking Tape.
5. Absorb the solder left on the pattern using the Braided Shield Wire. (Refer to Fig. 3-4.)

NOTE

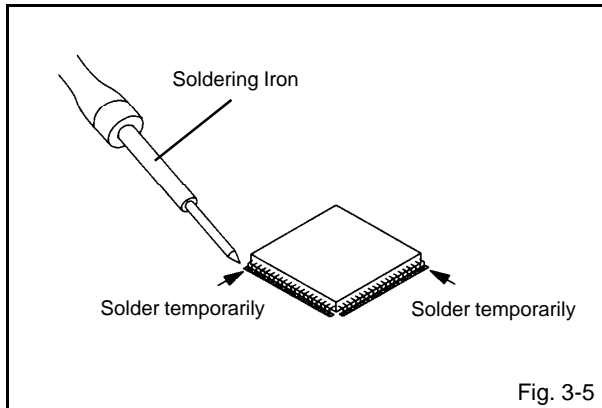
Do not move the Braided Shield Wire in the vertical direction towards the IC pattern.



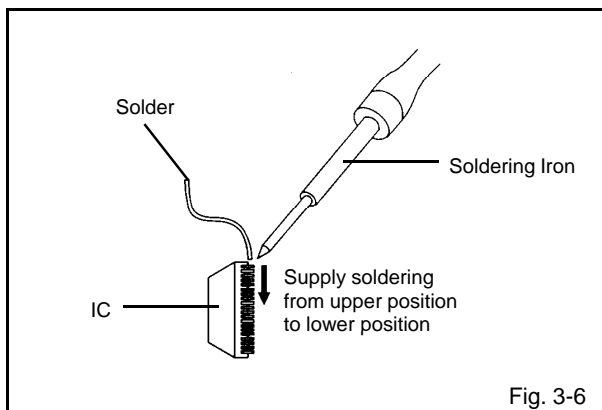
DISASSEMBLY INSTRUCTIONS

INSTALLATION

1. Take care of the polarity of new IC and then install the new IC fitting on the printed circuit pattern. Then solder each lead on the diagonal positions of IC temporarily. **(Refer to Fig. 3-5.)**



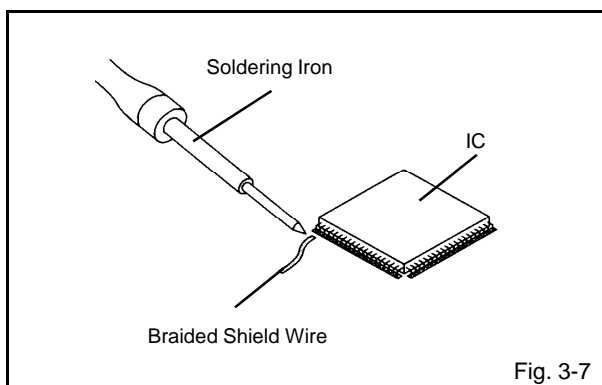
2. Supply the solder from the upper position of IC leads sliding to the lower position of the IC leads. **(Refer to Fig. 3-6.)**



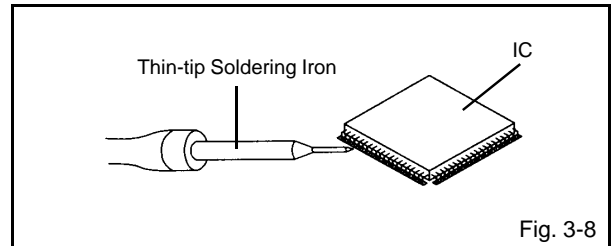
3. Absorb the solder left on the lead using the Braided Shield Wire. **(Refer to Fig. 3-7.)**

NOTE

Do not absorb the solder to excess.



4. When bridge-soldering between terminals and/or the soldering amount are not enough, resolder using a Thin-tip Soldering Iron. **(Refer to Fig. 3-8.)**



5. Finally, confirm the soldering status on four sides of the IC using a magnifying glass. Confirm that no abnormality is found on the soldering position and installation position of the parts around the IC. If some abnormality is found, correct by resoldering.

NOTE

When the IC leads are bent during soldering and/or repairing, do not repair the bending of leads. If the bending of leads are repaired, the pattern may be damaged. So, always be sure to replace the IC in this case.

SERVICE MODE LIST

This unit is provided with the following SERVICE MODES so you can repair, examine and adjust easily.

To enter to the SERVICE MODE function, press and hold both buttons simultaneously on the main unit and on the remote control for more than a the standard time in the appropriate condition. (See below chart.)

Set Condition	Set Key	Remocon Key	Standard Time	Operations
TV mode	VOL. DOWN (Minimum)	0	2 sec.	Releasing of V-CHIP PASSWORD.
TV mode	VOL. DOWN (Minimum)	1	2 sec.	Initialization of factory TV data. NOTE: If you set factory initialization, the memories are reset such as the channel setting, and the POWER ON total hours.
DVD mode (No disc)	VOL. DOWN (Minimum)	4	2 sec.	Initialization of factory DVD data.
ALL mode	VOL. DOWN (Minimum)	6	2 sec.	POWER ON total hours are displayed on the screen. Can be checked of the INITIAL DATA of MEMORY IC. Refer to the "WHEN REPLACING EEPROM (MEMORY) IC".
TV mode	VOL. DOWN (Minimum)	8	2 sec.	Check of the SUM DATA and MICON VERSION on the screen. Refer to the "WHEN REPLACING EEPROM (MEMORY) IC".
ALL mode	VOL. DOWN (Minimum)	9	2 sec.	Display of the Adjustment MENU on the screen. Refer to the "ELECTRICAL ADJUSTMENT" (On-Screen Display Adjustment).
DVD mode (No disc)	STOP	1	2 sec.	Check of the firmware version. Refer to the "RE-WRITE FOR DVD FIRMWARE". NOTE: Do not use this for normal servicing.
DVD mode (No disc)	STOP	7	2 sec.	Releasing of PARENTAL LOCK. Refer to the "PARENTAL CONTROL - RATING LEVEL".

WHEN REPLACING EEPROM (MEMORY) IC

CONFIRMATION OF CHECK SUM, POWER ON TOTAL HOURS AND MICON VERSION

Initial total of MEMORY IC, POWER ON total hours and MICON VERSION can be checked on the screen. Total hours are displayed in 16 system of notation.

NOTE: If you set a factory initialization, the total hours is reset to "0".

Please refer to "CONFIRMATION OF INITIAL DATA" when SUM DATA is not corresponding.

1. Turn on the POWER, and set to the ALL mode.
2. Set the VOLUME to minimum.
3. Press both VOL. DOWN button on the set and Channel button **(8)** on the remote control for more than 2 seconds.
4. After the confirmation of each check sum, turn off the power.

NOTE: The each item value might be different according to each set.

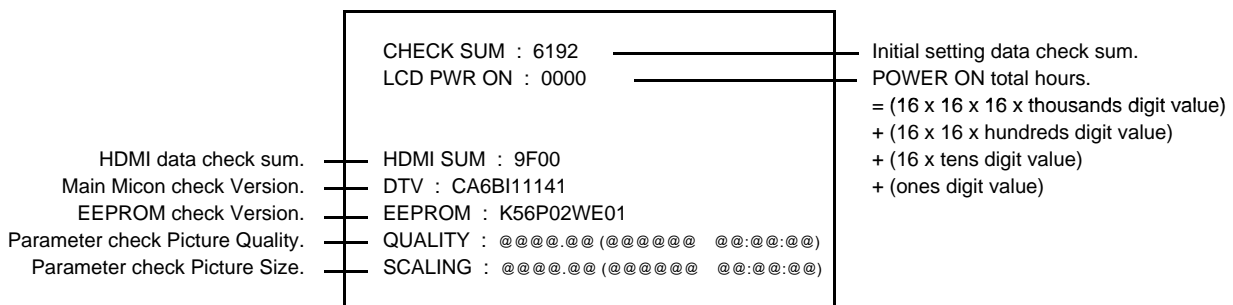


FIG. 1

CONFIRMATION OF INITIAL DATA

If a service repair is undertaken where it has been required to change the MEMORY IC, the following steps should be taken to ensure correct data settings while making reference to INITIAL SETTING TABLE (Attached "INITIAL DATA").

1. Turn on the POWER, and set to the ALL mode.
2. Set the VOLUME to minimum.
3. Press both VOL. DOWN button on the set and Channel button **(6)** on the remote control for more than 2 seconds.
ADDRESS and DATA should appear as FIG 2.

NOTE: No need to set data other position than 0200~0F79.

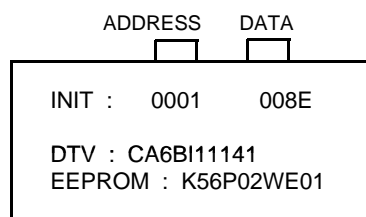


FIG. 2

4. ADDRESS is now selected and should "blink". Using the UP/DOWN button on the remote, step through the ADDRESS until required ADDRESS to be changed is reached.
5. Press LEFT/RIGHT button to select DATA. When DATA is selected, it will "blink".
6. Again, step through the DATA using UP/DOWN button until required DATA value has been selected.
7. Pressing LEFT/RIGHT button will take you back to ADDRESS for further selection if necessary.
8. Repeat steps 4 to 6 until all data has been checked.
9. When satisfied correct DATA has been entered, turn POWER off (return to STANDBY MODE) to finish DATA input.

After the data input, set to the initializing of shipping.

10. Turn on the Power.
 11. Set the VOLUME to minimum.
 12. Press both VOL. DOWN button on the set and Channel button **(1)** on the remote control for more than 2 seconds.
 13. After the finishing of the initializing of shipping, the unit will turn off automatically.
- The unit will now have the correct DATA for the new MEMORY IC.

ELECTRICAL ADJUSTMENTS

1. ADJUSTMENT PROCEDURE

Read and perform these adjustments when repairing the circuits or replacing electrical parts or PCB assemblies.

CAUTION

- Use an isolation transformer when performing any service on this chassis.
- When removing a PCB or related component, after unfastening or changing a wire, be sure to put the wire back in its original position.
- When you exchange IC and Transistor with a heat sink, apply silicon grease (**YG6260M**) on the contact section of the heat sink. Before applying new silicon grease, remove all the old silicon grease. (Old grease may cause damages to the IC and Transistor).

Prepare the following measurement tools for electrical adjustments.

1. Pattern Generator

On-Screen Display Adjustment

1. Set the VOLUME to minimum.
2. Press the VOL. DOWN button on the set and the channel button (**9**) on the remote control for more than 2 seconds to display adjustment mode on the screen as shown in **Fig. 1-1**.

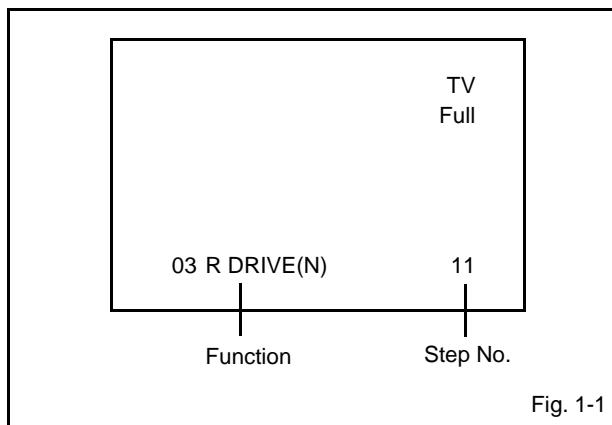


Fig. 1-1

3. Use the CH. UP/DOWN button or Channel button (**0-9**) on the remote control to select the options shown in **Fig. 1-2**.
4. Press the SETUP/TV MENU button on the remote control to end the adjustments.
5. To display the adjustment screen for TV, AV, COMPONENT, HDMI, PC and DVD mode, press the INPUT SELECT button on the remote control.
6. Receive the DIGITAL broadcasting.
7. To display the adjustment screen for DTV mode, select the digital channel.
8. Press the VOL.DOWN button on the set and the channel (**9**) on the remote control for more than 2 seconds.

NO.	FUNCTION	NO.	FUNCTION
03	R DRIVE(N)	35	TINT
04	R CUTOFF(N)	36	SHARP H1 MAX
05	G DRIVE(N)	37	SHARP H1 MIN
06	G CUTOFF(N)	38	SHARP H2 MAX
07	B DRIVE(N)	39	SHARP H2 MIN
08	B CUTOFF(N)	40	SHARP H3 MAX
09	R DRIVE(C)	41	SHARP H3 MIN
10	R CUTOFF(C)	42	SHARP H4 MAX
11	G DRIVE(C)	43	SHARP H4 MIN
12	G CUTOFF(C)	44	SHARP H5 MAX
13	B DRIVE(C)	45	SHARP H5 MIN
14	B CUTOFF(C)	46	SHARP V1 MAX
15	R DRIVE(W)	47	SHARP V1 MIN
16	R CUTOFF(W)	48	SHARP V2 MAX
17	G DRIVE(W)	49	SHARP V2 MIN
18	G CUTOFF(W)	50	CONTRAST CENTER
19	B DRIVE(W)	51	CONTRAST MAX
20	B CUTOFF(W)	52	CONTRAST MIN
29	BAK LIGHT CENT	53	COLOR CENTER
30	BAK LIGHT MAX	54	COLOR MAX
31	BAK LIGHT MIN	55	COLOR MIN
32	BRIGHTNESS CENT	58	CONTRAST 40
33	BRIGHTNESS MAX		
34	BRIGHTNESS MIN		

Fig. 1-2

2. BASIC ADJUSTMENTS

2-1: WHITE BALANCE

1. Place the set in Aging Test for more than 15 minutes.
2. Receive the gray scale pattern from the Pattern Generator.
3. Press the INPUT SELECT button on the remote control to set to the AV mode.
4. Using the remote control, set the brightness and contrast to normal position.
5. Activate the adjustment mode display of **Fig. 1-2** and press the channel button (**03**) on the remote control to select "R DRIVE(N)".
6. Press the CH. UP/DOWN button on the remote control to select the "R CUTOFF(N)", "B DRIVE(N)", "B CUTOFF(N)", "R DRIVE(C)", "R CUTOFF(C)", "B DRIVE(C)", "B CUTOFF(C)", "R DRIVE(W)", "R CUTOFF(W)", "B DRIVE(W)" or "B CUTOFF(W)".
7. Adjust the LEFT/RIGHT button on the remote control to whiten the R DRIVE(N), R CUTOFF(N), B DRIVE(N), B CUTOFF(N), R DRIVE(C), R CUTOFF(C), B DRIVE(C), B CUTOFF(C), R DRIVE(W), R CUTOFF(W), B DRIVE(W) and B CUTOFF(W) at each step tone sections equally.
8. Perform the above adjustments 6 and 7 until the white color is achieved.

ELECTRICAL ADJUSTMENTS

2-2: BRIGHTNESS CENT

1. Place the set in Aging Test for more than 15 minutes.
2. Receive the color bar pattern. (RF Input)
3. Using the remote control, set the brightness and contrast to normal position.
4. Activate the adjustment mode display of **Fig. 1-1** and press the channel button **(32)** on the remote control to select "BRIGHTNESS CENT".
5. Press the LEFT/RIGHT button on the remote control until the contrast step No. becomes "126".
6. Check if the picture is normal.
7. Receive the color bar pattern. (VIDEO Input)
8. Using the remote control, set the brightness and contrast to normal position.
9. Press the INPUT SELECT button on the remote control to set to the AV mode.
10. Activate the adjustment mode display of **Fig. 1-1** and press the channel button **(32)** on the remote control to select "BRIGHTNESS CENT".
11. Press the LEFT/RIGHT button on the remote control until the contrast step No. becomes "126".
12. Check if the picture is normal.
13. Receive the color bar pattern. (S-VIDEO Input)
14. Using the remote control, set the brightness and contrast to normal position.
15. Press the INPUT SELECT button on the remote control to set to the AV(Y/C) mode. Then perform the above adjustments 10~12.
16. Playback the DVD(480i) disc. (COMPONENT Input)
17. Using the remote control, set the brightness and contrast to normal position.
18. Press the INPUT SELECT button on the remote control to set to the COMPONENT mode.
19. Activate the adjustment mode display of **Fig. 1-1** and press the channel button **(32)** on the remote control to select "BRIGHTNESS CENT".
20. Press the LEFT/RIGHT button on the remote control until the contrast step No. becomes "134".
21. Check if the picture is normal.
22. Playback the DVD(480i) disc. (HDMI Input)
23. Using the remote control, set the brightness and contrast to normal position.
24. Press the INPUT SELECT button on the remote control to set to the HDMI mode.
25. Activate the adjustment mode display of **Fig. 1-1** and press the channel button **(32)** on the remote control to select "BRIGHTNESS CENT".
26. Press the LEFT/RIGHT button on the remote control until the contrast step No. becomes "134".
27. Check if the picture is normal.
28. Playback the DVD(480i) disc.
29. Press the INPUT SELECT button on the remote control to set to the DVD mode.
30. Using the remote control, set the brightness and contrast to normal position.
31. Activate the adjustment mode display of **Fig. 1-1** and press the channel button **(32)** on the remote control to select "BRIGHTNESS CENT".
32. Press the LEFT/RIGHT button on the remote control until the contrast step No. becomes "126".
33. Check if the picture is normal.

2-3: CONTRAST MAX

1. Place the set in Aging Test for more than 15 minutes.
2. Receive the color bar pattern. (RF Input)
3. Using the remote control, set the brightness and contrast to normal position.
4. Activate the adjustment mode display of **Fig. 1-1** and press the channel button **(51)** on the remote control to select "CONTRAST MAX".
5. Press the LEFT/RIGHT button on the remote control until the contrast step No. becomes "168".
6. Check if the picture is normal.
7. Receive the color bar pattern. (VIDEO Input)
8. Using the remote control, set the brightness and contrast to normal position.
9. Press the INPUT SELECT button on the remote control to set to the AV mode.
10. Activate the adjustment mode display of **Fig. 1-1** and press the channel button **(51)** on the remote control to select "CONTRAST MAX".
11. Press the LEFT/RIGHT button on the remote control until the contrast step No. becomes "129".
12. Check if the picture is normal.
13. Receive the color bar pattern. (S-VIDEO Input)
14. Using the remote control, set the brightness and contrast to normal position.
15. Press the INPUT SELECT button on the remote control to set to the AV(Y/C) mode. Then perform the above adjustments 10~12.
16. Playback the DVD(480i) disc. (COMPONENT Input)
17. Using the remote control, set the brightness and contrast to normal position.
18. Press the INPUT SELECT button on the remote control to set to the COMPONENT mode.
19. Activate the adjustment mode display of **Fig. 1-1** and press the channel button **(51)** on the remote control to select "CONTRAST MAX".
20. Press the LEFT/RIGHT button on the remote control until the contrast step No. becomes "144".
21. Check if the picture is normal.
22. Playback the DVD(480i) disc. (HDMI Input)
23. Using the remote control, set the brightness and contrast to normal position.
24. Press the INPUT SELECT button on the remote control to set to the HDMI mode.
25. Activate the adjustment mode display of **Fig. 1-1** and press the channel button **(51)** on the remote control to select "CONTRAST MAX".
26. Press the LEFT/RIGHT button on the remote control until the contrast step No. becomes "143".
27. Check if the picture is normal.
28. Playback the DVD(480i) disc.
29. Press the INPUT SELECT button on the remote control to set to the DVD mode.
30. Using the remote control, set the brightness and contrast to normal position.
31. Activate the adjustment mode display of **Fig. 1-1** and press the channel button **(51)** on the remote control to select "CONTRAST MAX".
32. Press the LEFT/RIGHT button on the remote control until the contrast step No. becomes "147".
33. Check if the picture is normal.

ELECTRICAL ADJUSTMENTS

2-4: CONTRAST CENTER

1. Place the set in Aging Test for more than 15 minutes.
2. Receive the color bar pattern. (RF Input)
3. Using the remote control, set the brightness and contrast to normal position.
4. Activate the adjustment mode display of **Fig. 1-1** and press the channel button **(50)** on the remote control to select "CONTRAST CENTER".
5. Press the LEFT/RIGHT button on the remote control until the contrast step No. becomes "122".
6. Check if the picture is normal.
7. Receive the color bar pattern. (VIDEO Input)
8. Using the remote control, set the brightness and contrast to normal position.
9. Press the INPUT SELECT button on the remote control to set to the AV mode.
10. Activate the adjustment mode display of **Fig. 1-1** and press the channel button **(50)** on the remote control to select "CONTRAST CENTER".
11. Press the LEFT/RIGHT button on the remote control until the contrast step No. becomes "92".
12. Check if the picture is normal.
13. Receive the color bar pattern. (S-VIDEO Input)
14. Using the remote control, set the brightness and contrast to normal position.
15. Press the INPUT SELECT button on the remote control to set to the AV(Y/C) mode. Then perform the above adjustments 10~12.
16. Playback the DVD(480i) disc. (COMPONENT Input)
17. Using the remote control, set the brightness and contrast to normal position.
18. Press the INPUT SELECT button on the remote control to set to the COMPONENT mode.
19. Activate the adjustment mode display of **Fig. 1-1** and press the channel button **(50)** on the remote control to select "CONTRAST CENTER".
20. Press the LEFT/RIGHT button on the remote control until the contrast step No. becomes "105".
21. Check if the picture is normal.
22. Playback the DVD(480i) disc. (HDMI Input)
23. Using the remote control, set the brightness and contrast to normal position.
24. Press the INPUT SELECT button on the remote control to set to the HDMI mode.
25. Activate the adjustment mode display of **Fig. 1-1** and press the channel button **(50)** on the remote control to select "CONTRAST CENTER".
26. Press the LEFT/RIGHT button on the remote control until the contrast step No. becomes "102".
27. Check if the picture is normal.
28. Playback the DVD(480i) disc.
29. Press the INPUT SELECT button on the remote control to set to the DVD mode.
30. Using the remote control, set the brightness and contrast to normal position.
31. Activate the adjustment mode display of **Fig. 1-1** and press the channel button **(50)** on the remote control to select "CONTRAST CENTER".
32. Press the LEFT/RIGHT button on the remote control until the contrast step No. becomes "195".
33. Check if the picture is normal.

2-5: CONTRAST 40

1. Place the set in Aging Test for more than 15 minutes.
2. Receive the color bar pattern. (RF Input)
3. Using the remote control, set the brightness and contrast to normal position.
4. Activate the adjustment mode display of **Fig. 1-1** and press the channel button **(58)** on the remote control to select "CONTRAST 40".
5. Press the LEFT/RIGHT button on the remote control until the contrast step No. becomes "153".
6. Check if the picture is normal.
7. Receive the color bar pattern. (VIDEO Input)
8. Using the remote control, set the brightness and contrast to normal position.
9. Press the INPUT SELECT button on the remote control to set to the AV mode.
10. Activate the adjustment mode display of **Fig. 1-1** and press the channel button **(58)** on the remote control to select "CONTRAST 40".
11. Press the LEFT/RIGHT button on the remote control until the contrast step No. becomes "116".
12. Check if the picture is normal.
13. Receive the color bar pattern. (S-VIDEO Input)
14. Using the remote control, set the brightness and contrast to normal position.
15. Press the INPUT SELECT button on the remote control to set to the AV(Y/C) mode. Then perform the above adjustments 10~12.
16. Playback the DVD(480i) disc. (COMPONENT Input)
17. Using the remote control, set the brightness and contrast to normal position.
18. Press the INPUT SELECT button on the remote control to set to the COMPONENT mode.
19. Activate the adjustment mode display of **Fig. 1-1** and press the channel button **(58)** on the remote control to select "CONTRAST 40".
20. Press the LEFT/RIGHT button on the remote control until the contrast step No. becomes "131".
21. Check if the picture is normal.
22. Playback the DVD(480i) disc. (HDMI Input)
23. Using the remote control, set the brightness and contrast to normal position.
24. Press the INPUT SELECT button on the remote control to set to the HDMI mode.
25. Activate the adjustment mode display of **Fig. 1-1** and press the channel button **(58)** on the remote control to select "CONTRAST 40".
26. Press the LEFT/RIGHT button on the remote control until the contrast step No. becomes "129".
27. Check if the picture is normal.
28. Playback the DVD(480i) disc.
29. Press the INPUT SELECT button on the remote control to set to the DVD mode.
30. Using the remote control, set the brightness and contrast to normal position.
31. Activate the adjustment mode display of **Fig. 1-1** and press the channel button **(58)** on the remote control to select "CONTRAST 40".
32. Press the LEFT/RIGHT button on the remote control until the contrast step No. becomes "129".
33. Check if the picture is normal.

ELECTRICAL ADJUSTMENTS

2-6: Confirmation of Fixed Value (Step No.)

Please check if the fixed values of each of the adjustment item is set correctly referring below.(TV/AV/COMPONENT/HDMI/PC/DVD/DTV)

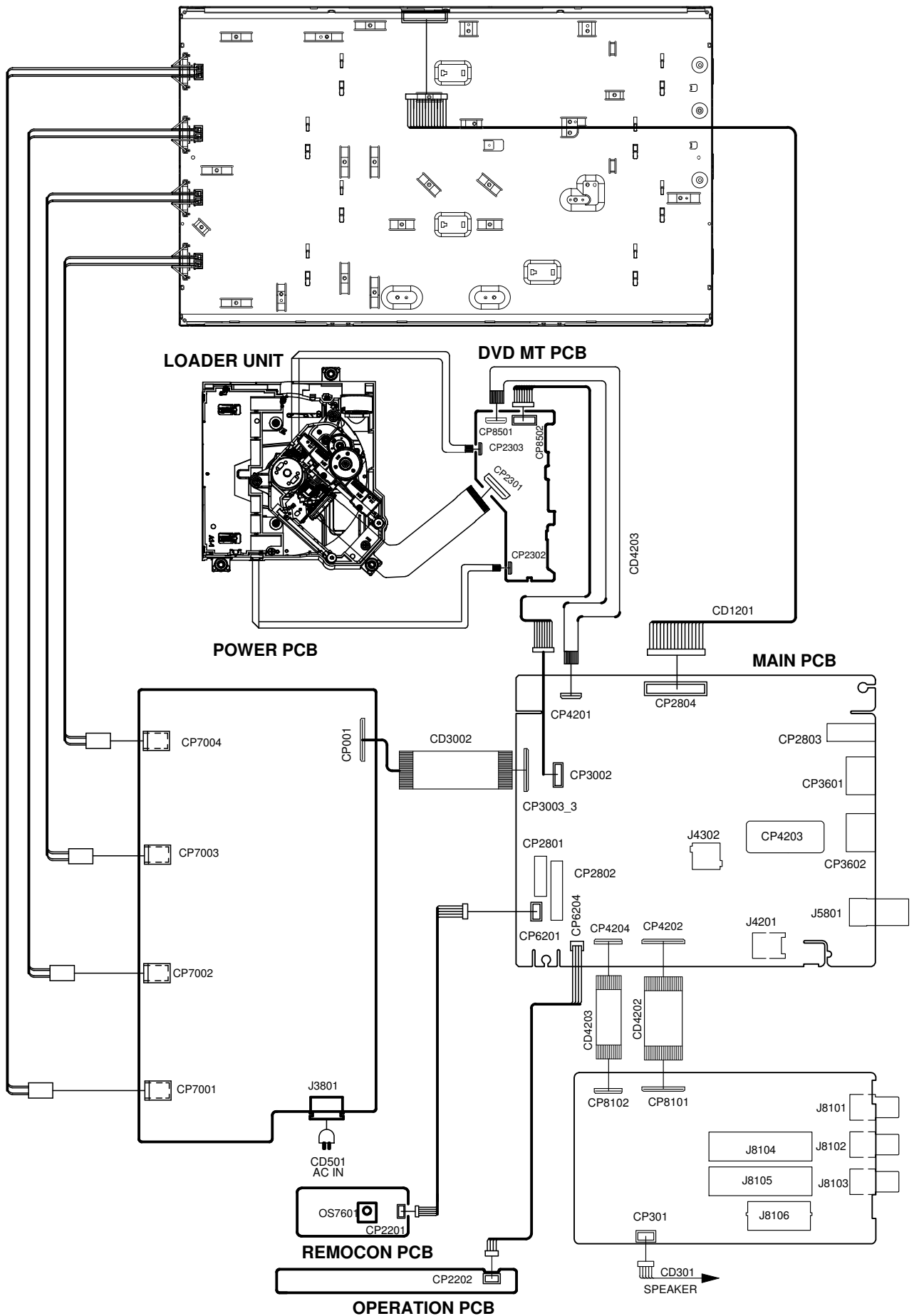
NO.	FUNCTION	TV	AV		COMPONENT					HDMI					PC/HDMI-DVI		DVD	PC							DTV				
			CVBS	Y/C	480i	480p	720p	1080i	1080p	VGA	480i	480p	720p	1080i	1080P	VGA		XGA	640*480	720*400	800*600	1024*768	1280*768	1280*720	1360*768	480i	480p	720p	1080i
		Step No.	Step No.	Step No.	Step No.					Step No.					Step No.		Step No.	Step No.							Step No.				
3	R.DRIVE (N)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	R CUTOFF (N)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
5	G DRIVE (N)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6	G CUTOFF (N)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	B DRIVE (N)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
8	B CUTOFF (N)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
9	R.DRIVE (C)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
10	R CUTOFF (C)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
11	G DRIVE (C)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	G CUTOFF (C)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	B DRIVE (C)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
14	B CUTOFF (C)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
15	R.DRIVE (W)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
16	R CUTOFF (W)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
17	G DRIVE (W)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18	G CUTOFF (W)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
19	B DRIVE (W)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
20	B CUTOFF (W)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
29	BAK LIGHT CENT	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
30	BAK LIGHT MAX	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
31	BAK LIGHT MIN	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
32	BRIGHT CENT	126	126	126	126	126	126	126	126	134	134	134	134	134	134	126	126	126	126	126	126	126	126	126	126	126	126	126	
33	BRIGHT MAX	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	
34	BRIGHT MIN	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
35	TINT	41	41	41	41	41	41	41	41	41	41	41	41	41	41	50	50	50	50	50	50	50	50	50	43	43	43	43	
36	SHARP H1 MAX	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	
37	SHARP H1 MIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
38	SHARP H2 MAX	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	
39	SHARP H2 MIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
40	SHARP H3 MAX	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	
41	SHARP H3 MIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
42	SHARP H4 MAX	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	
43	SHARP H4 MIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
44	SHARP H5 MAX	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	
45	SHARP H5 MIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
46	SHARP V1 MAX	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	
47	SHARP V1 MIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
48	SHARP V2 MAX	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	
49	SHARP V2 MIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50	CONT CENTER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
51	CONT MAX	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
52	CONT MIN	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	
53	COLOR CENT	183	215	215	200	200	200	200	200	200	200	200	200	200	200	183	183	200	183	183	183	183	183	183	200	200	200	200	
54	COLOR MAX	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	
55	COLOR MIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
58	CONT 40	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	

NOTE: For the step no. with * mark, please adjust it according to the situation of the set.

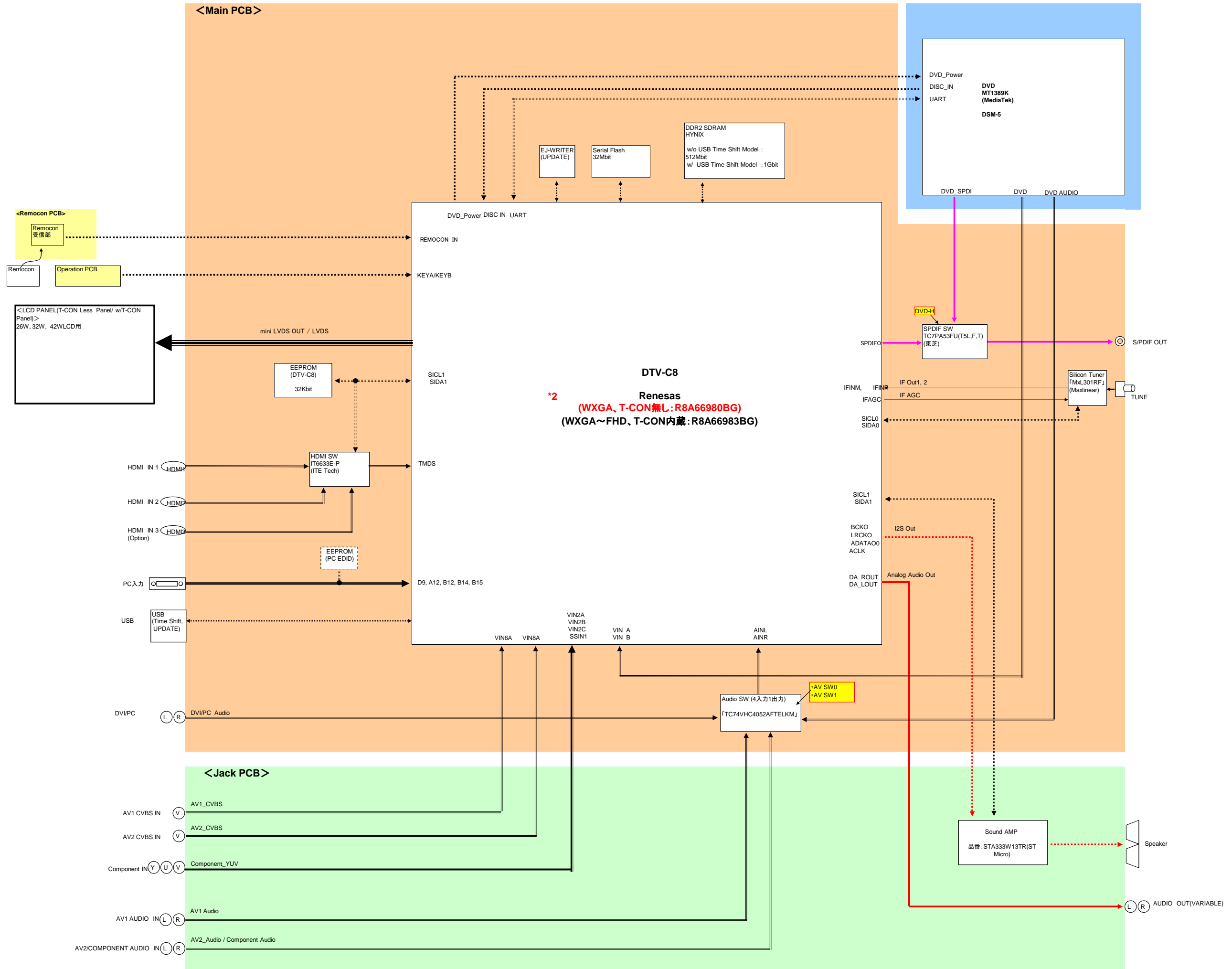
ELECTRICAL ADJUSTMENTS

3. ELECTRICAL ADJUSTMENT PARTS LOCATION GUIDE (WIRING CONNECTION)

LCD PANEL

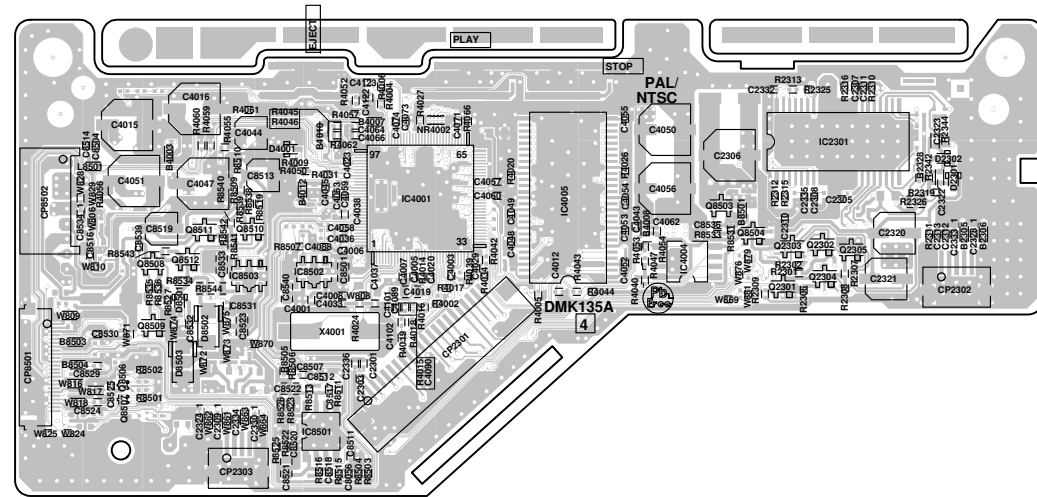


BLOCK DIAGRAM

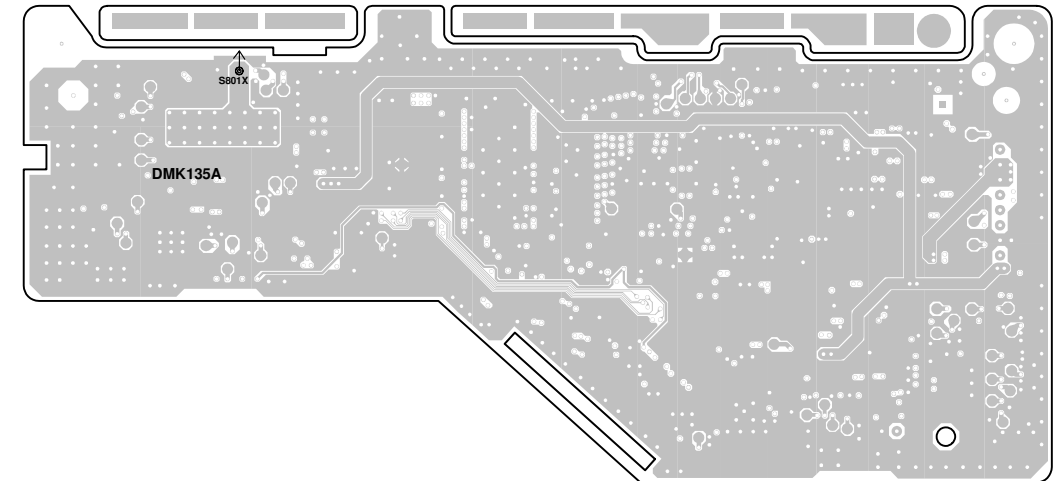


PRINTED CIRCUIT BOARDS

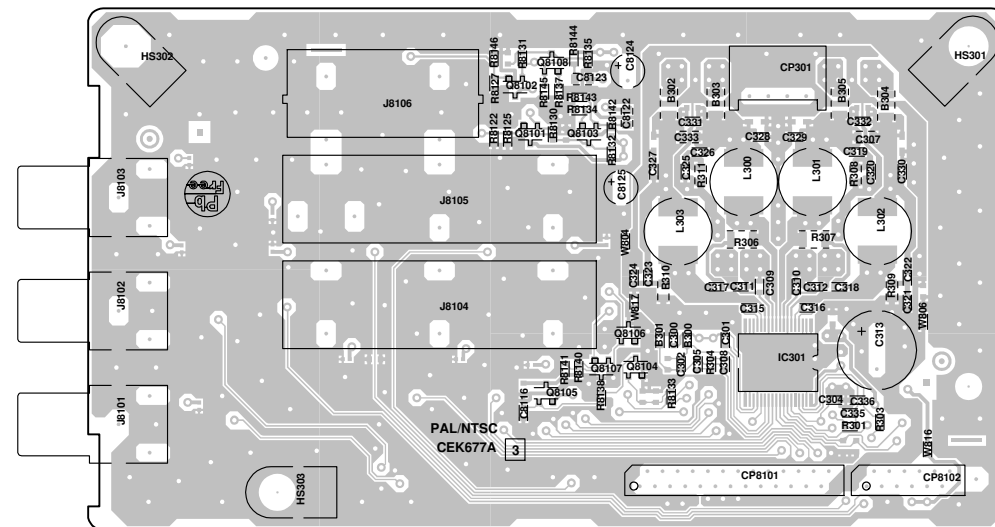
DVD MT (TOP SIDE)



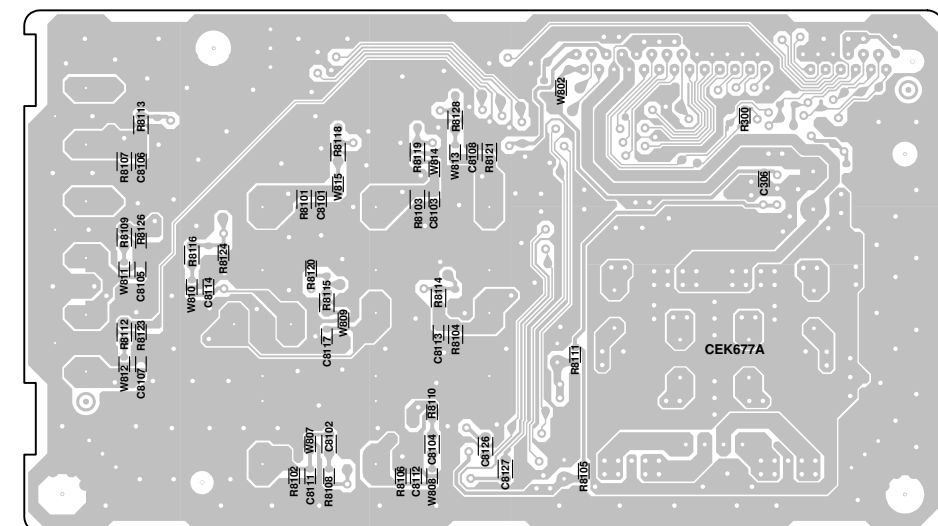
DVD MT (BOTTOM SIDE)



SIDE JACK (TOP SIDE)

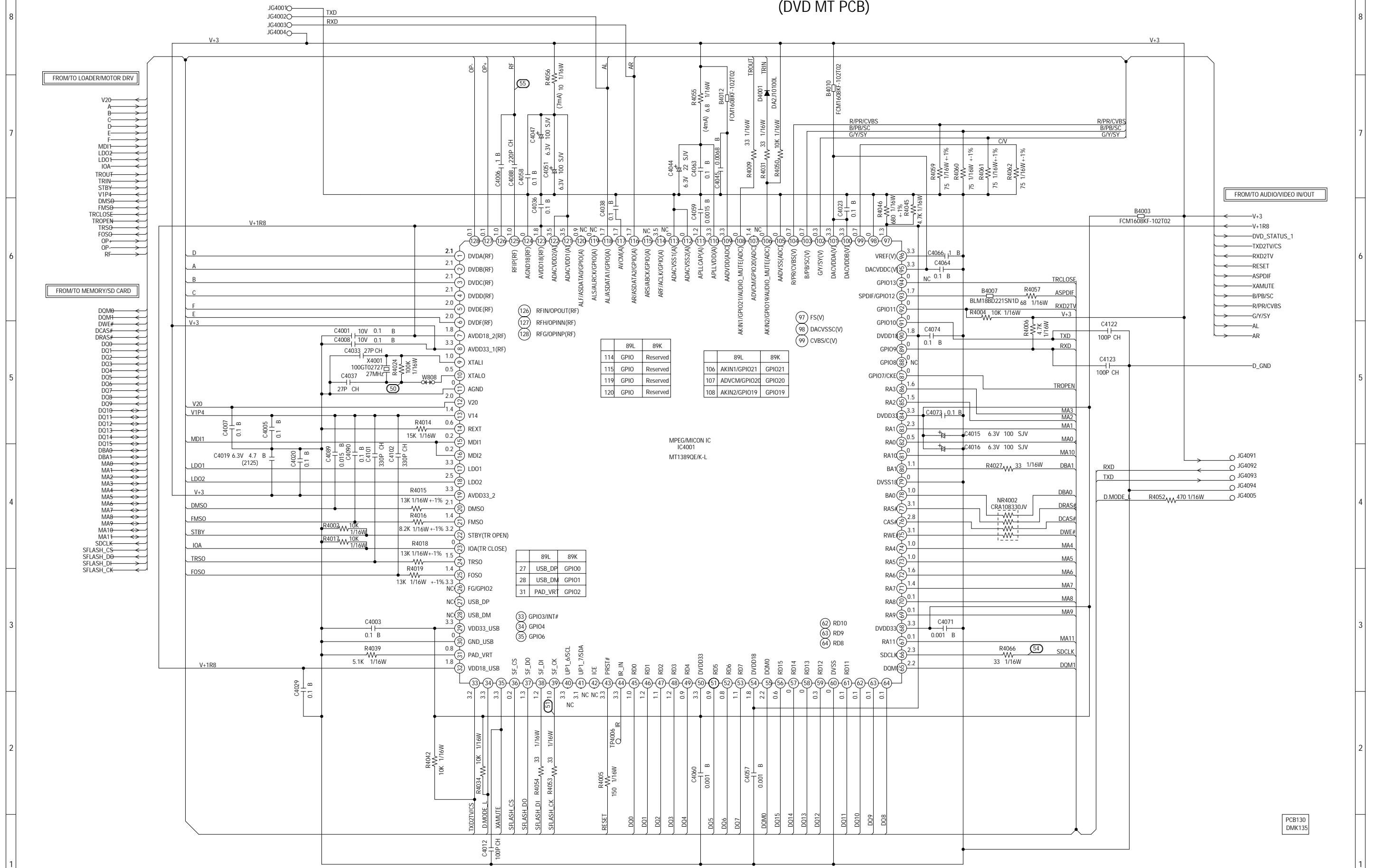


SIDE JACK (BOTTOM SIDE)



MPEG/MICON/DSP SCHEMATIC DIAGRAM

(DVD MT PCB)

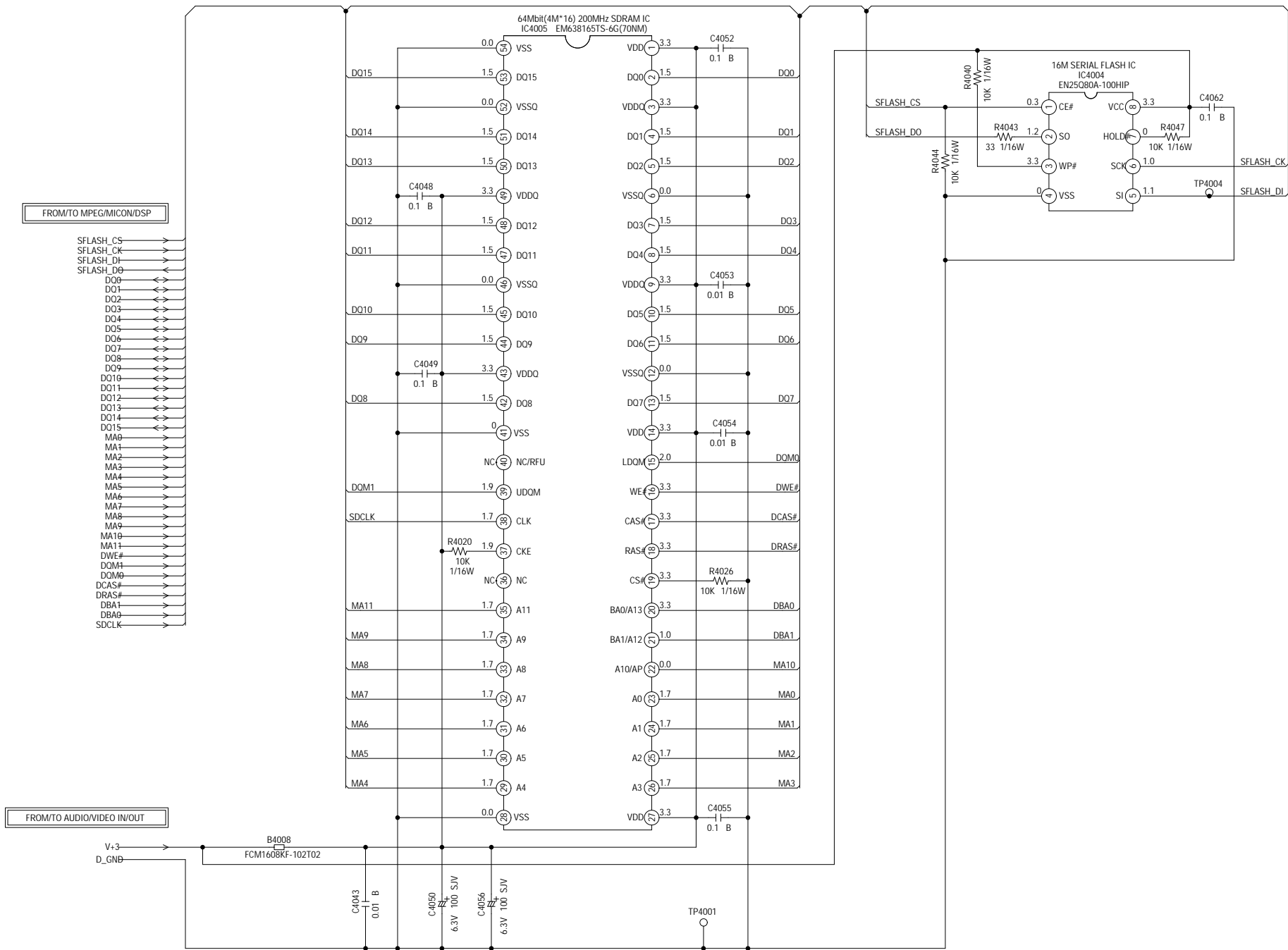


NOTE: THE DC VOLTAGE EACH PART WAS MEASURED WITH THE DIGITAL TESTER DURING PLAYBACK.

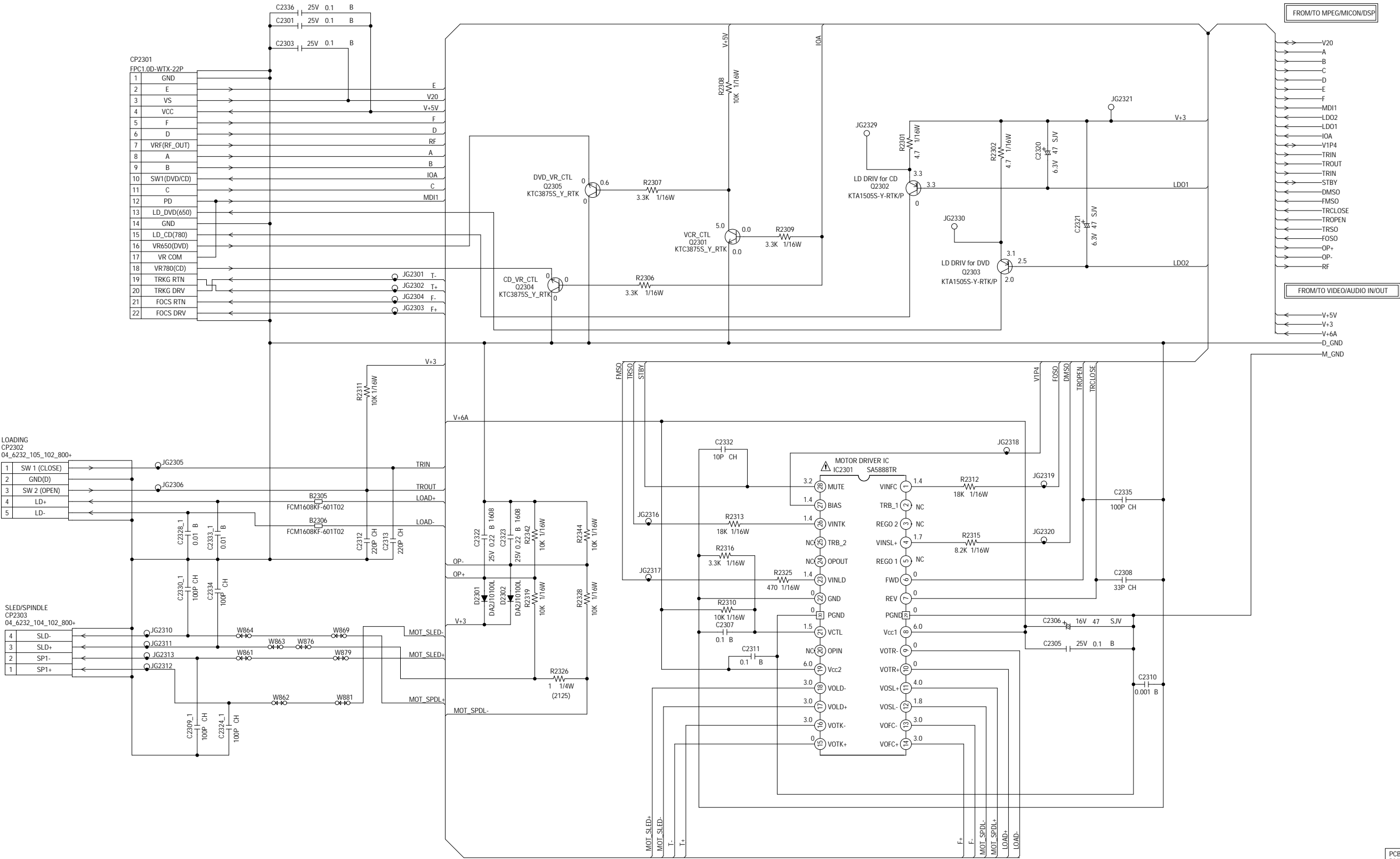
NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.


PCB130
DMK135


MEMORY/SD CARD SCHEMATIC DIAGRAM
(DVD MT PCB)



LOADER/MOTOR DRV SCHEMATIC DIAGRAM
(DVD MT PCB)



CAUTION: SINCE THESE PARTS MARKED BY  ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY.

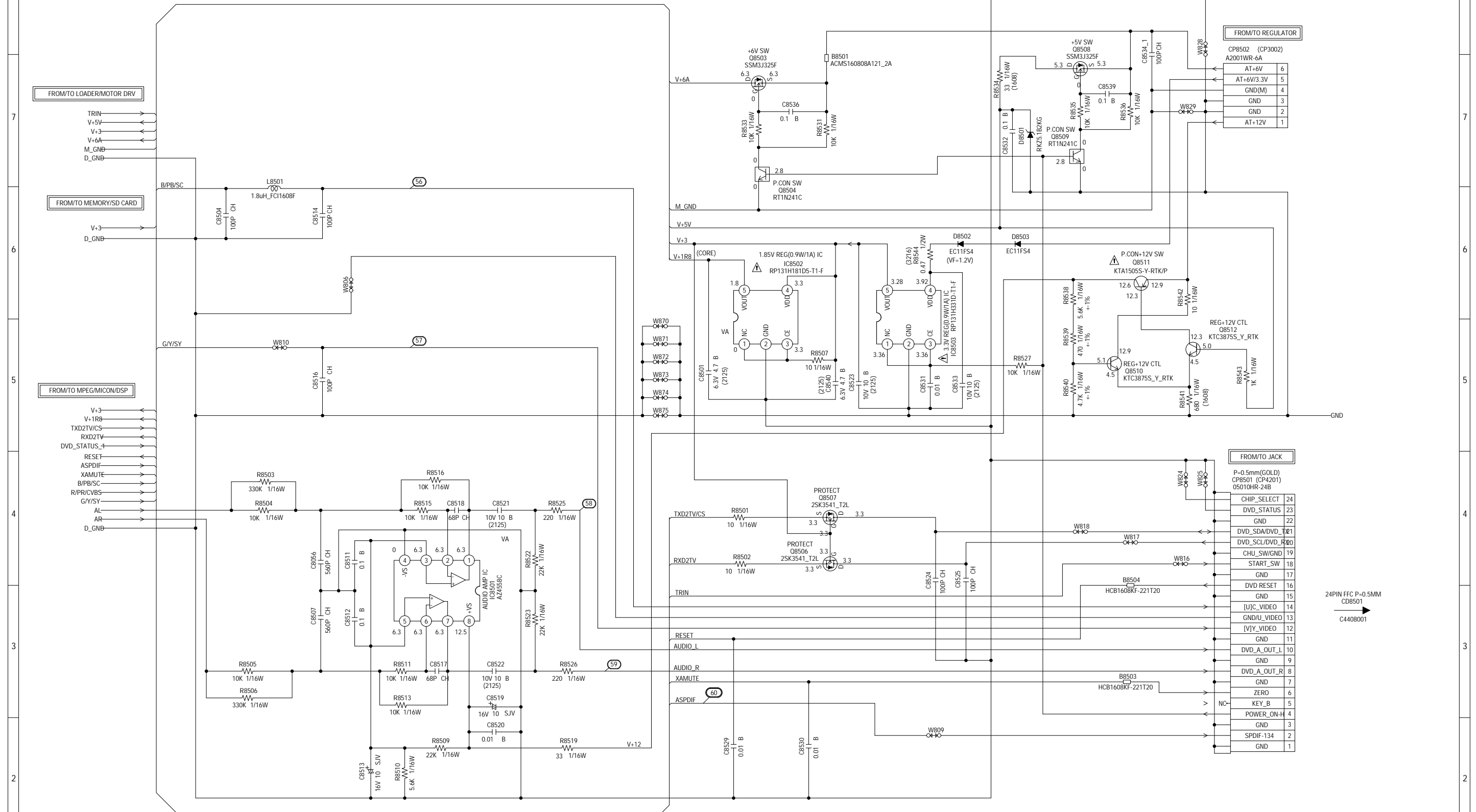
ATTENTION: LES PIÈCES RÉPARÉES PAR UN  ÉTANT DANGEREUSES AN POINT DE VUE SÉCURITÉ N'UTILISER QUE CELLES DÉCRITES DANS LA NOMENCLATURE DES PIÈCES.

NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

NOTE: THE DC VOLTAGE EACH PART WAS MEASURED WITH THE DIGITAL TESTER DURING PLAYBACK.

PCB130
DMK135

VIDEO/AUDIO IN/OUT SCHEMATIC DIAGRAM (DVD MT PCB)



CAUTION SINCE THESE PARTS MARKED BY ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY.

ATTENTION LES PIECES REPAREES PAR UN ETANT DANGEREUSES AN POINT DE VUE SECURITE N'UTILISER QUE CELLS DECRITES DANS LA NOMENCLATURE DES PIECES.

NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

NOTE: THE DC VOLTAGE EACH PART WAS MEASURED WITH THE DIGITAL TESTER DURING PLAYBACK.

CAUTION: DIGITAL TRANSISTOR

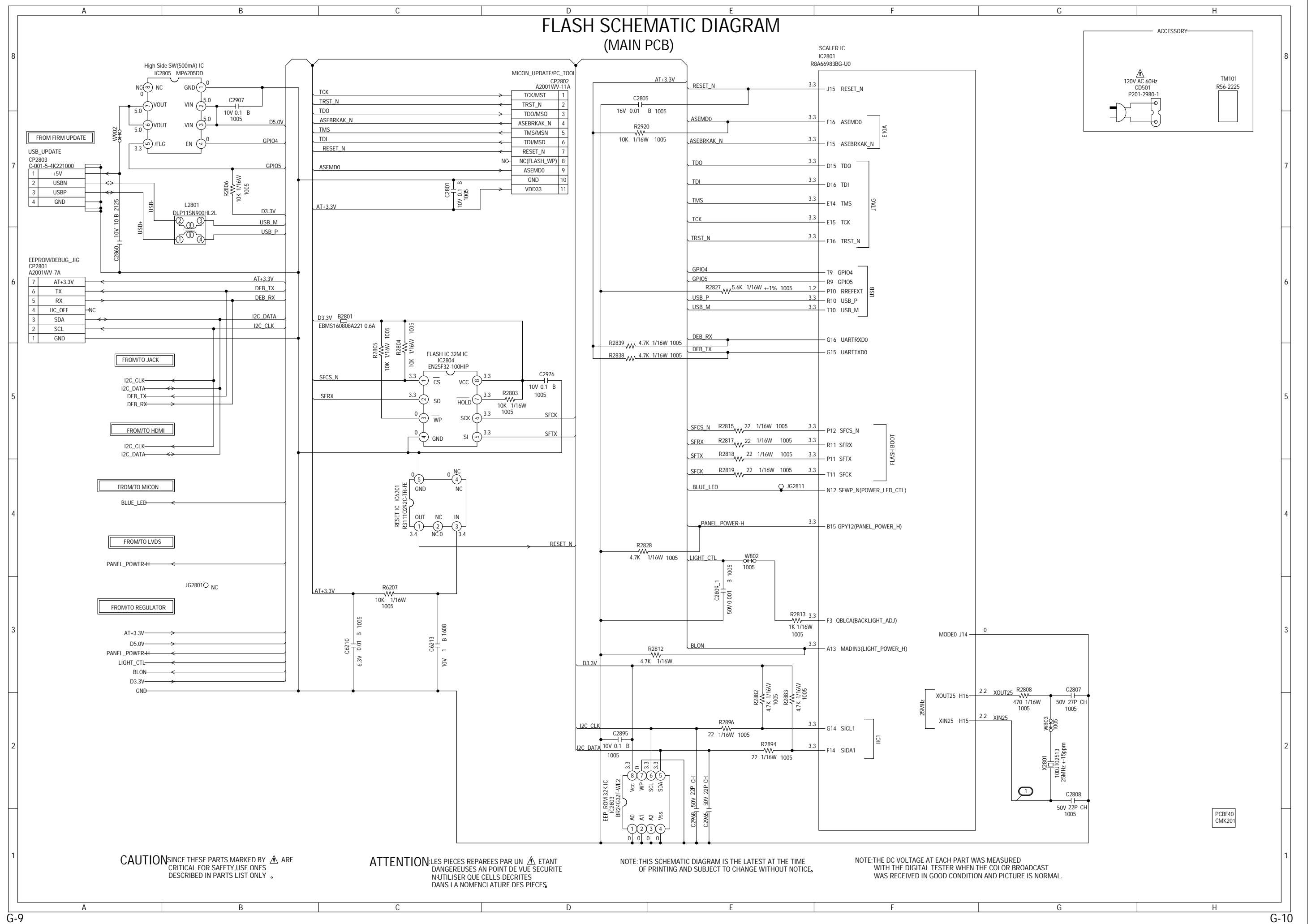
FROM/TO REGULATOR	
CP8502 (CP3002)	
A2001WR-6A	
AT+6V	6
AT+6V/3.3V	5
GND(M)	4
GND	3
GND	2
AT+12V	1

FROM/TO JACK	
P=0.5mm(GOLD)	
CP8501 (CP4201)	
05010HR-24B	
CHIP_SELECT	24
DVD_STATUS	23
GND	22
DVD_SDA/DVD_R	21
DVD_SCL/DVD_R	20
CHU_SW/GND	19
START_SW	18
GND	17
DVD RESET	16
GND	15
[U]C_VIDEO	14
GND/U_VIDEO	13
[V]Y_VIDEO	12
GND	11
DVD_A_OUT_L	10
GND	9
DVD_A_OUT_R	8
GND	7
ZERO	6
KEY_B	5
POWER_ON-H	4
GND	3
SPDIF-134	2
GND	1

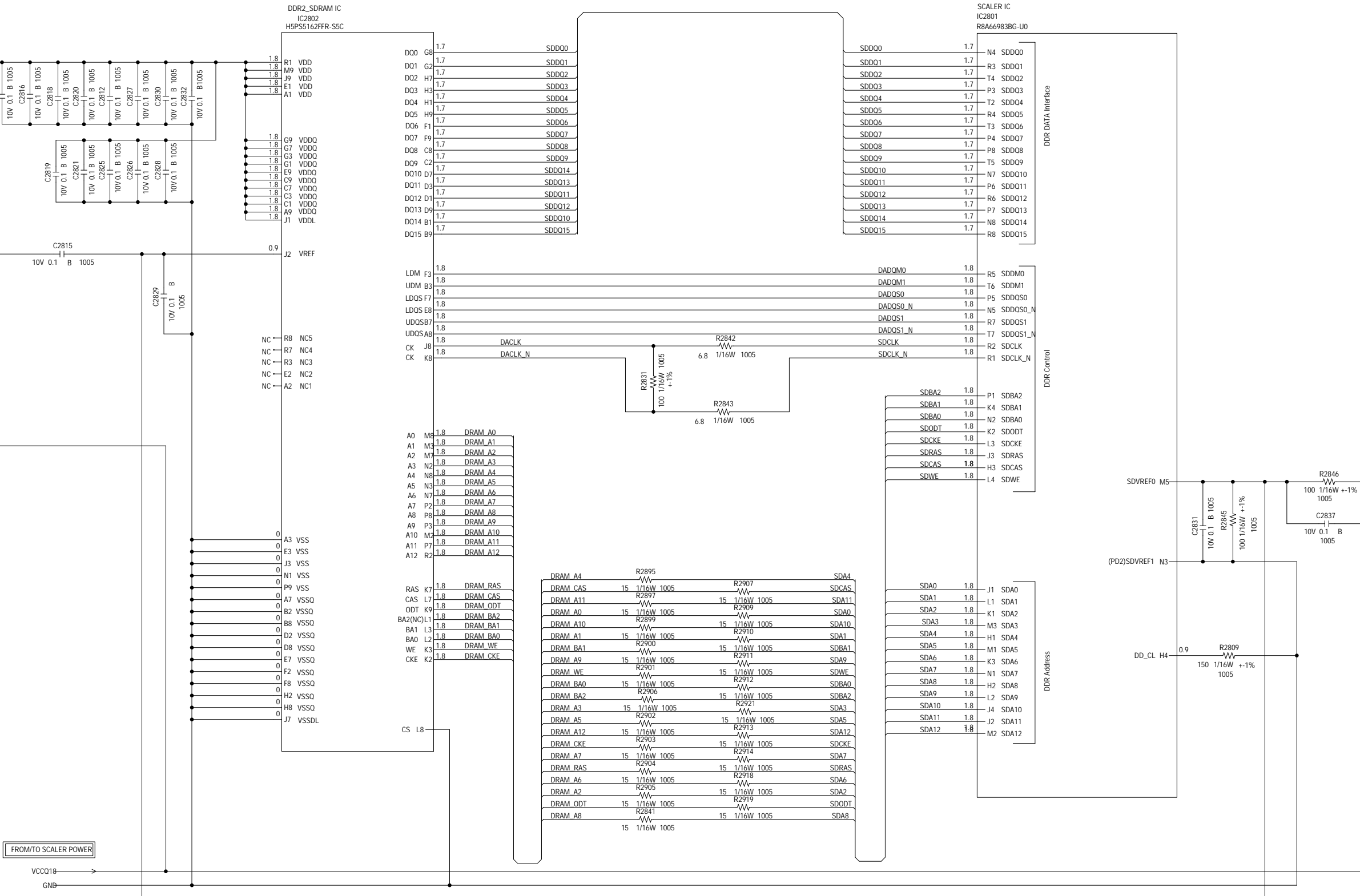
24PIN FFC P=0.5MM
CD8501
C4408001

PCB130
DMK135

FLASH SCHEMATIC DIAGRAM (MAIN PCB)



(MAIN PCB)

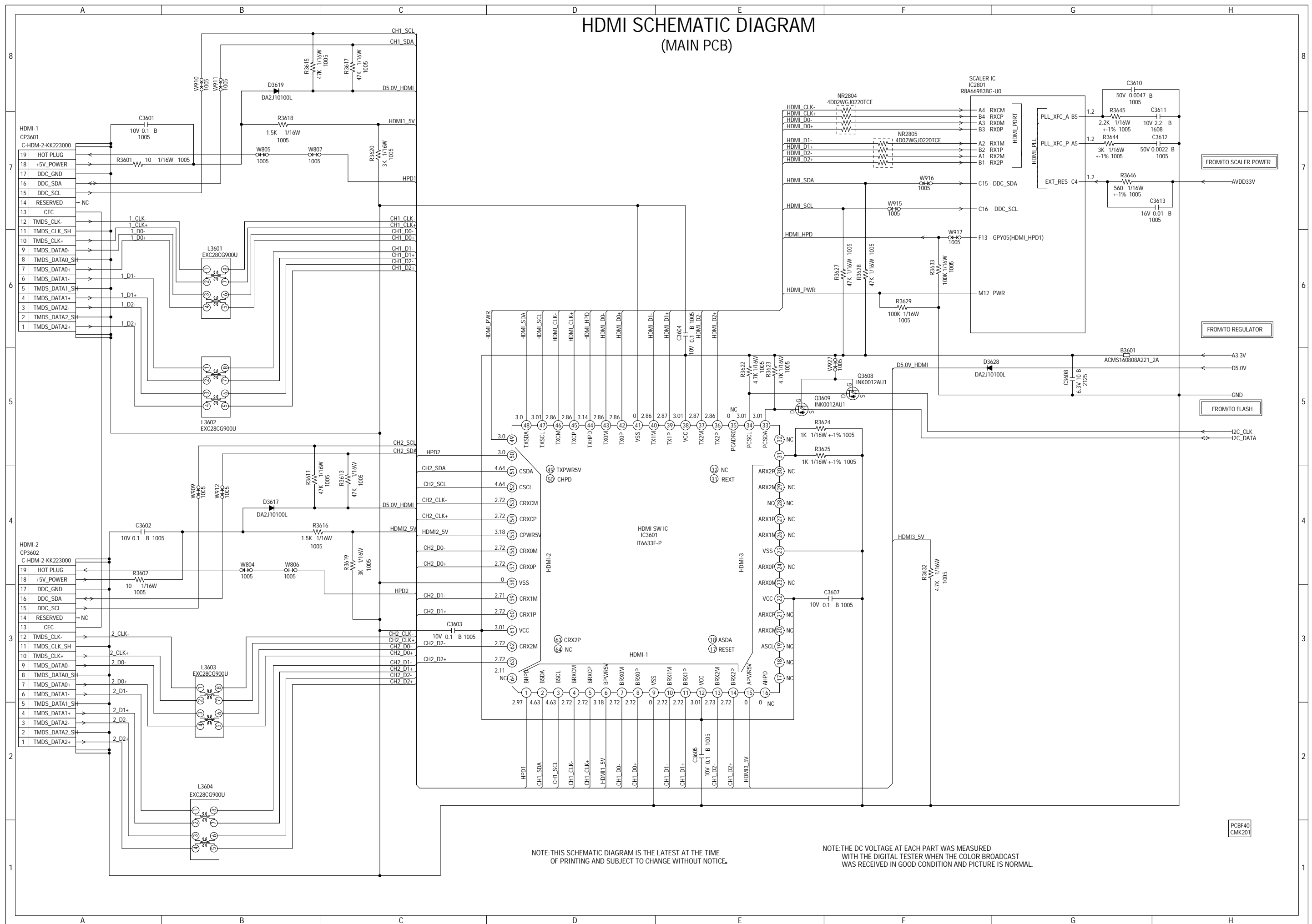


NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE

NOTE: THE DC VOLTAGE AT EACH PART WAS MEASURED WITH THE DIGITAL TESTER WHEN THE COLOR BROADCAST WAS RECEIVED IN GOOD CONDITION AND PICTURE IS NORMAL

PCBF40
CMK201

HDMI SCHEMATIC DIAGRAM (MAIN PCB)

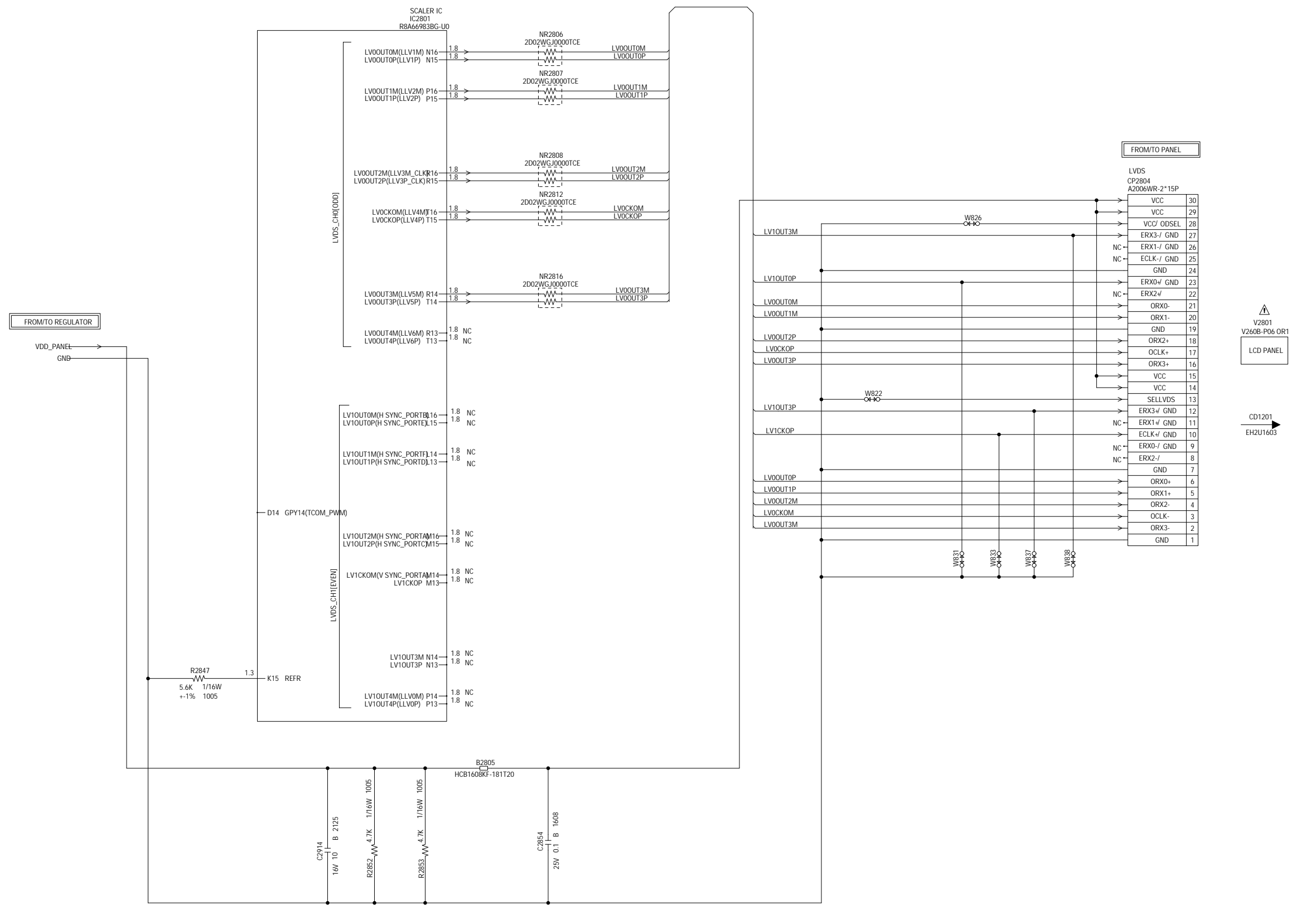


NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.


NOTE: THE DC VOLTAGE AT EACH PART WAS MEASURED WITH THE DIGITAL TESTER WHEN THE COLOR BROADCAST WAS RECEIVED IN GOOD CONDITION AND PICTURE IS NORMAL.

PCBF40
CMK201

LVDS SCHEMATIC DIAGRAM (MAIN PCB)



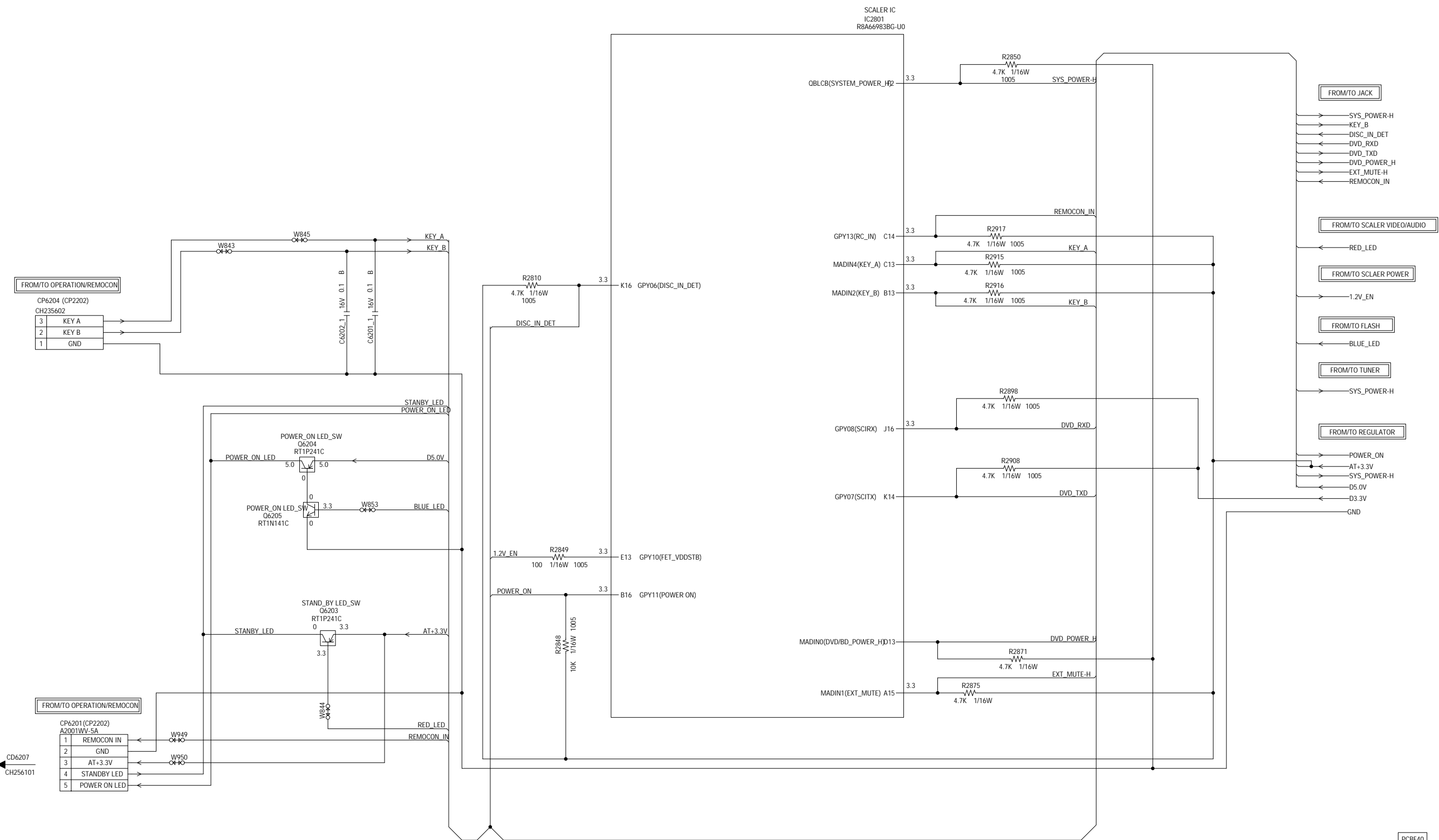
CAUTION SINCE THESE PARTS MARKED BY ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY .

ATTENTION: LES PIÈCES RÉPARÉES PAR UN  ÉTANT DANGEREUSES AU POINT DE VUE SÉCURITÉ, N'UTILISER QUE CELLES DÉCRITES DANS LA NOMENCLATURE DES PIÈCES.

NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

NOTE: THE DC VOLTAGE AT EACH PART WAS MEASURED WITH THE DIGITAL TESTER WHEN THE COLOR BROADCAST WAS RECEIVED IN GOOD CONDITION AND PICTURE IS NORMAL.

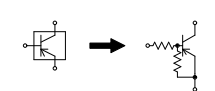
MICON SCHEMATIC DIAGRAM
(MAIN PCB)



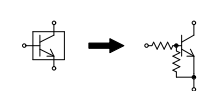
NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

NOTE: THE DC VOLTAGE AT EACH PART WAS MEASURED WITH THE DIGITAL TESTER WHEN THE COLOR BROADCAST WAS RECEIVED IN GOOD CONDITION AND PICTURE IS NORMAL.

CAUTION: DIGITAL TRANSISTOR

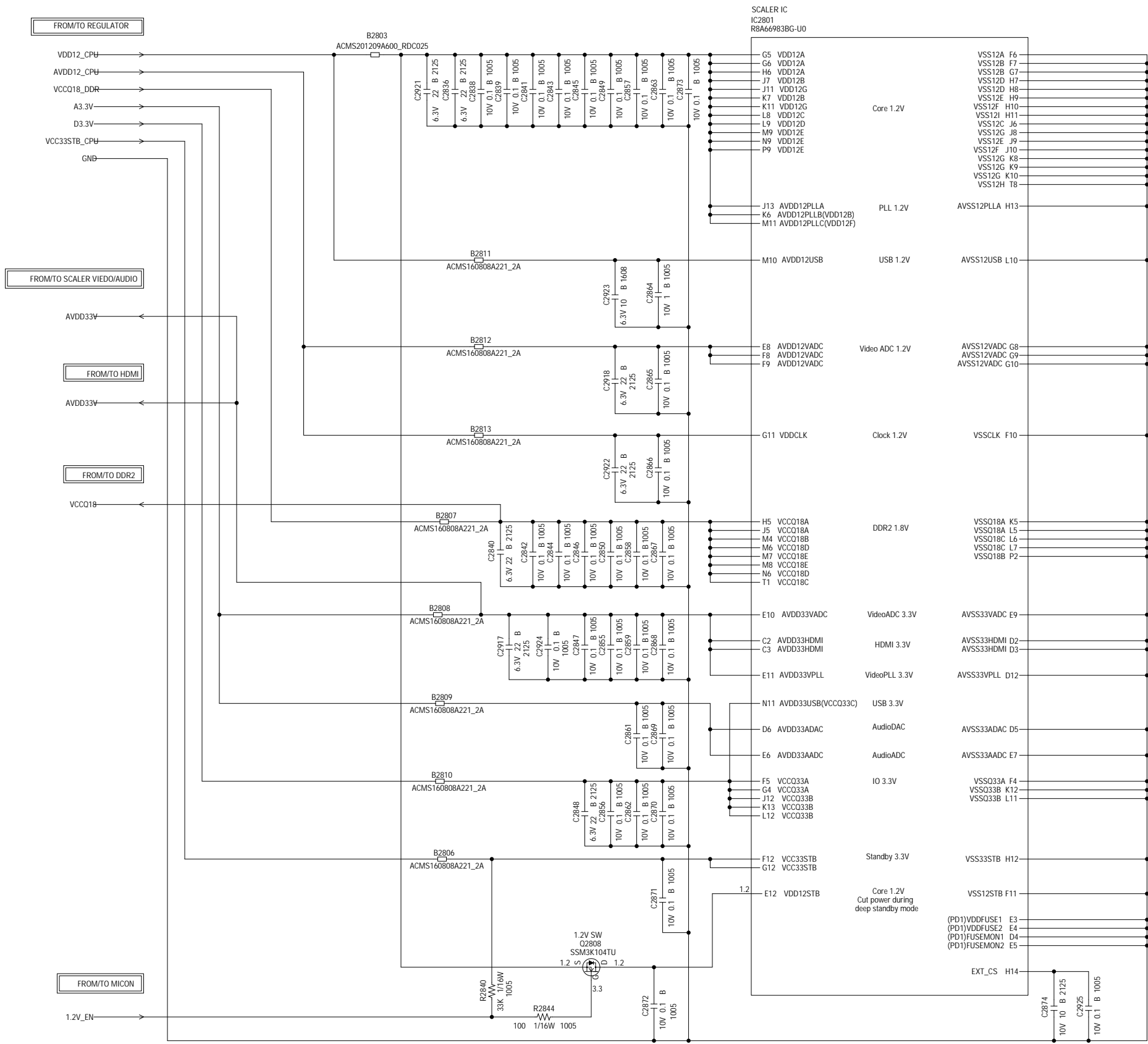


CAUTION: DIGITAL TRANSISTOR



PCBF40
CMK201

SCALER POWER SCHEMATIC DIAGRAM
(MAIN PCB)

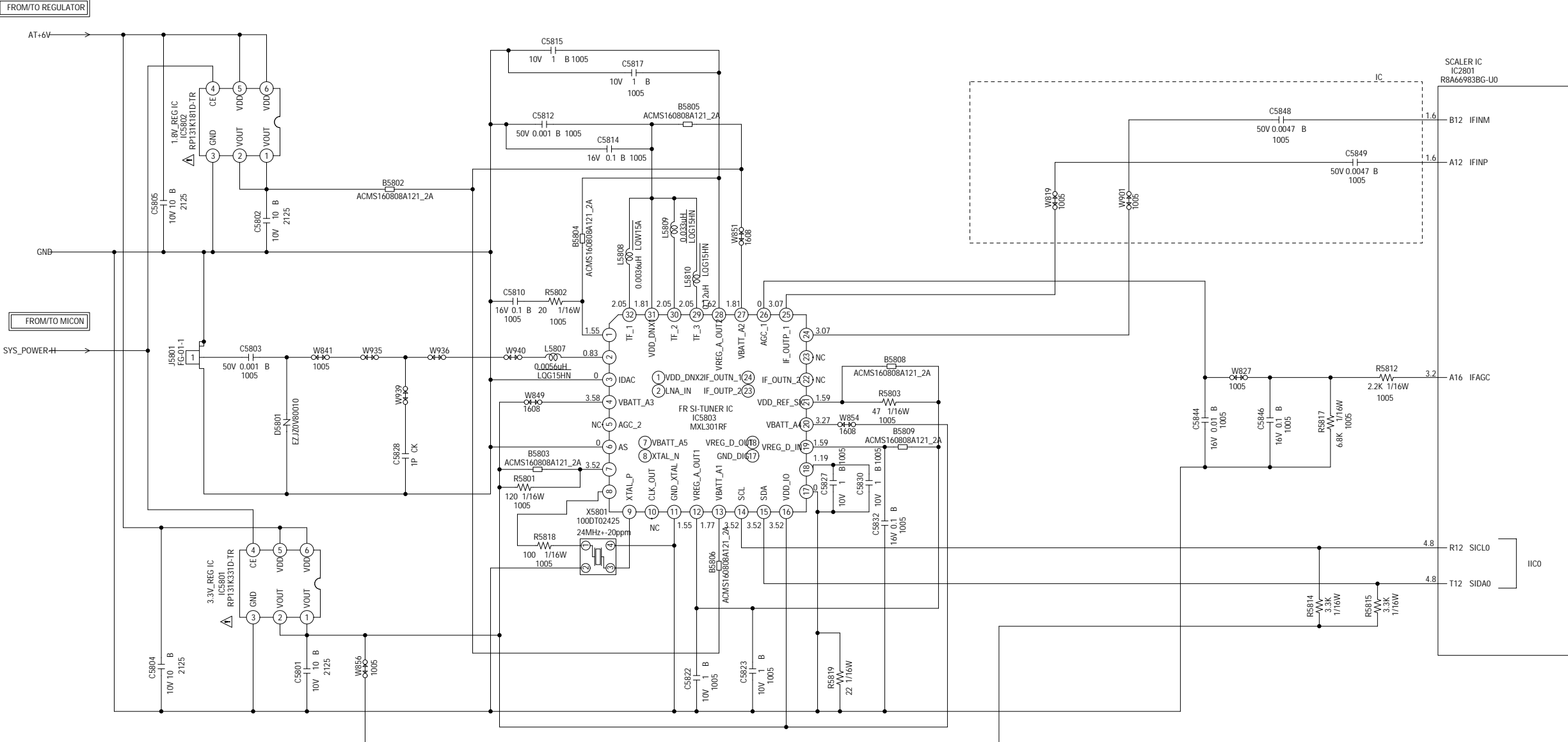



NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.


NOTE: THE DC VOLTAGE AT EACH PART WAS MEASURED WITH THE DIGITAL TESTER WHEN THE COLOR BROADCAST WAS RECEIVED IN GOOD CONDITION AND PICTURE IS NORMAL.

PCBF40
CMK201

TUNER SCHEMATIC DIAGRAM (MAIN PCB)



CAUTION SINCE THESE PARTS MARKED BY  ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY .

ATTENTION: LES PIÈCES RÉPARÉES PAR UN  ÉTANT DANGEREUSES AU POINT DE VUE SÉCURITÉ N'UTILISER QUE CELLES DÉCRITES DANS LA NOMENCLATURE DES PIÈCES.

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PCBF40
CMK201

SCALER VIDEO/AUDIO SCHEMATIC DIAGRAM
(MAIN PCB)

FROM/TO JACK

- ACLK0
- SP_MUTE/ADTA00
- LRCK0
- BCK0
- AUDIO_PWM/AV_SW1
- DVD_Y
- DVD_G
- DVD_L
- DVD_R
- PC_V
- PC_H
- VGA-G
- VGA-B
- VGA-R
- PC/DVI_L
- PC/DVI_R
- AV1_CVBS
- AV3_Y
- AV3_PR
- AV3_PB
- AV1_L
- AV1_R
- SPDIF
- LOUT
- ROUT
- DVD-H
- AV2_CVBS
- AV2_R
- AV2_L

FROM/TO MICON

- RED_LED

FROM/TO SCLAER POWER

- AVDD33V

FROM/TO REGULATOR

- D3.3V
- D5.0V
- GND

ADDB	ADDA	
0	0	DVI_A_IN_L/R
0	1	DVD_L/R
1	1	AV1_A_IN_L/R

SW Q2801 RT1N241C

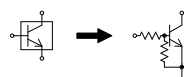
SW Q2802 RT1N241C

AUDIO_PWM/AV_SW1

NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

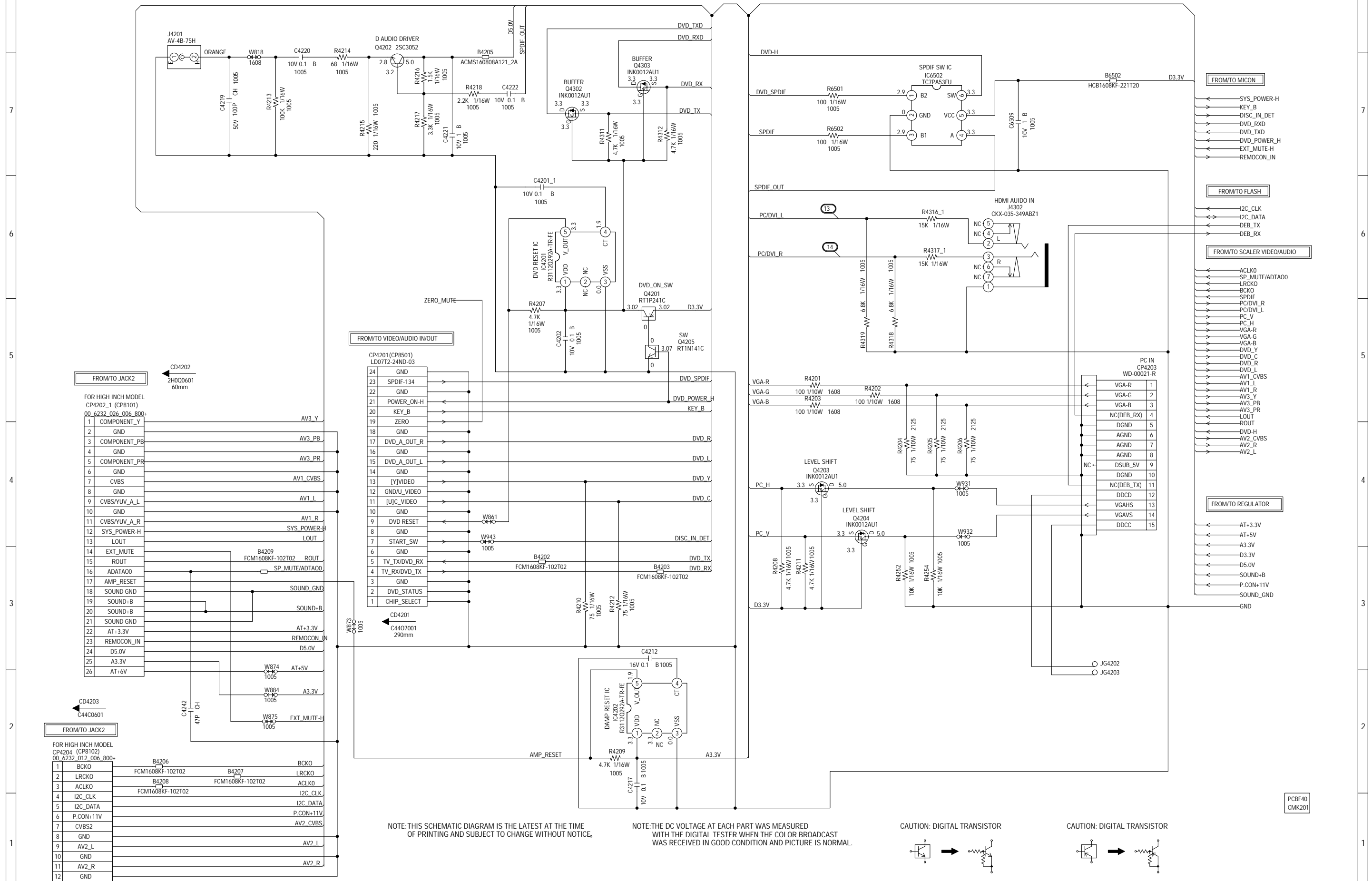
NOTE: THE DC VOLTAGE AT EACH PART WAS MEASURED WITH THE DIGITAL TESTER WHEN THE COLOR BROADCAST WAS RECEIVED IN GOOD CONDITION AND PICTURE IS NORMAL.

CAUTION: DIGITAL TRANSISTOR



PCBF40
CMK201

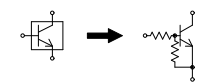
JACK SCHEMATIC DIAGRAM (MAIN PCB)



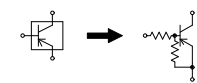
NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

NOTE: THE DC VOLTAGE AT EACH PART WAS MEASURED WITH THE DIGITAL TESTER WHEN THE COLOR BROADCAST WAS RECEIVED IN GOOD CONDITION AND PICTURE IS NORMAL.

CAUTION: DIGITAL TRANSISTOR

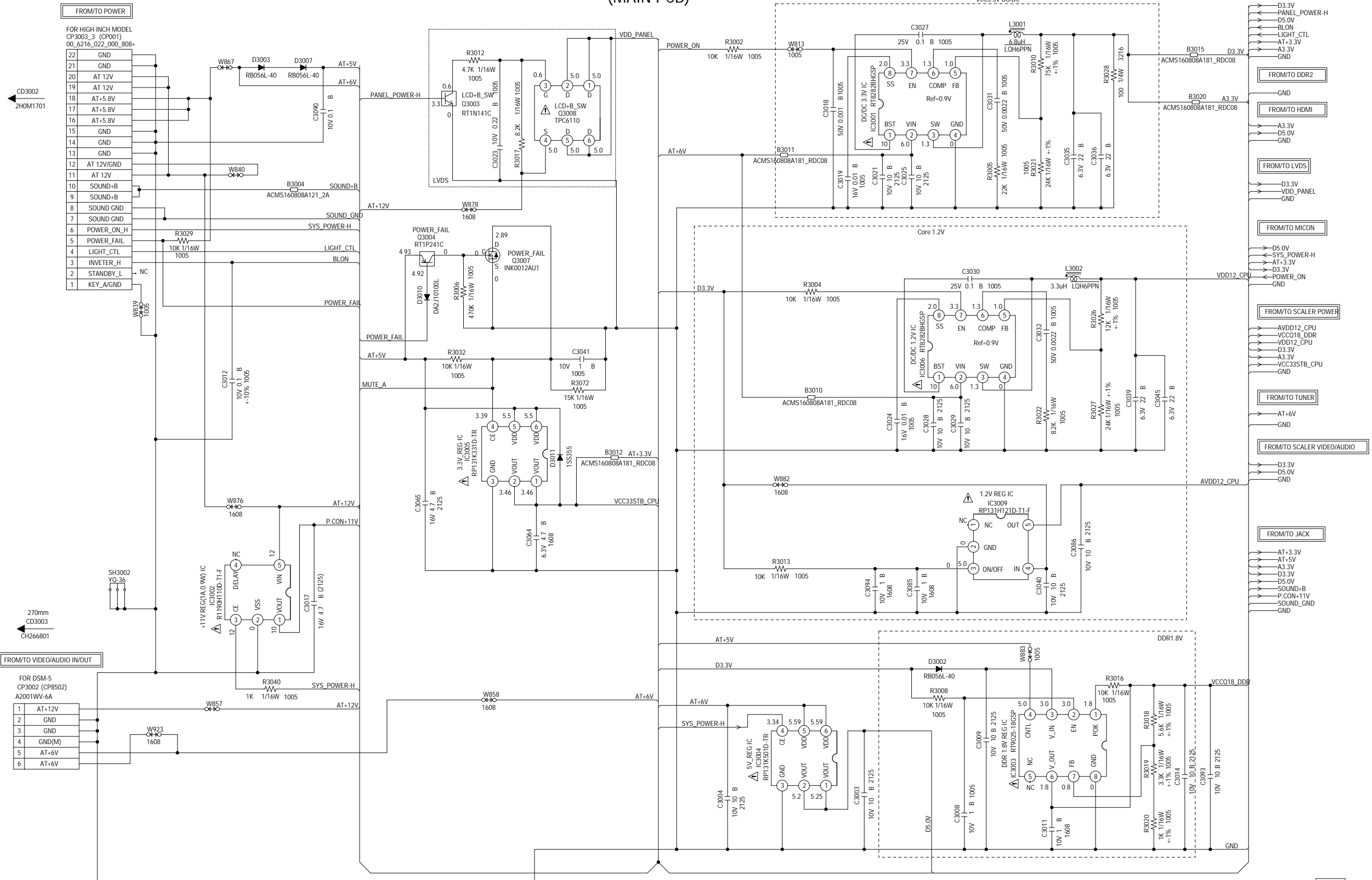


CAUTION: DIGITAL TRANSISTOR



PCBF40
CMK201

REGULATOR SCHEMATIC DIAGRAM (MAIN PCB)



CAUTION SINCE THESE PARTS MARKED BY ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY.

ATTENTION LES PIECES REPARÉES PAR UN ÉTANT DANGEREUSES AU POINT DE VUE SÉCURITÉ N'UTILISER QUE CELLS DÉCRITES DANS LA NOMENCLATURE DES PIÈCES.

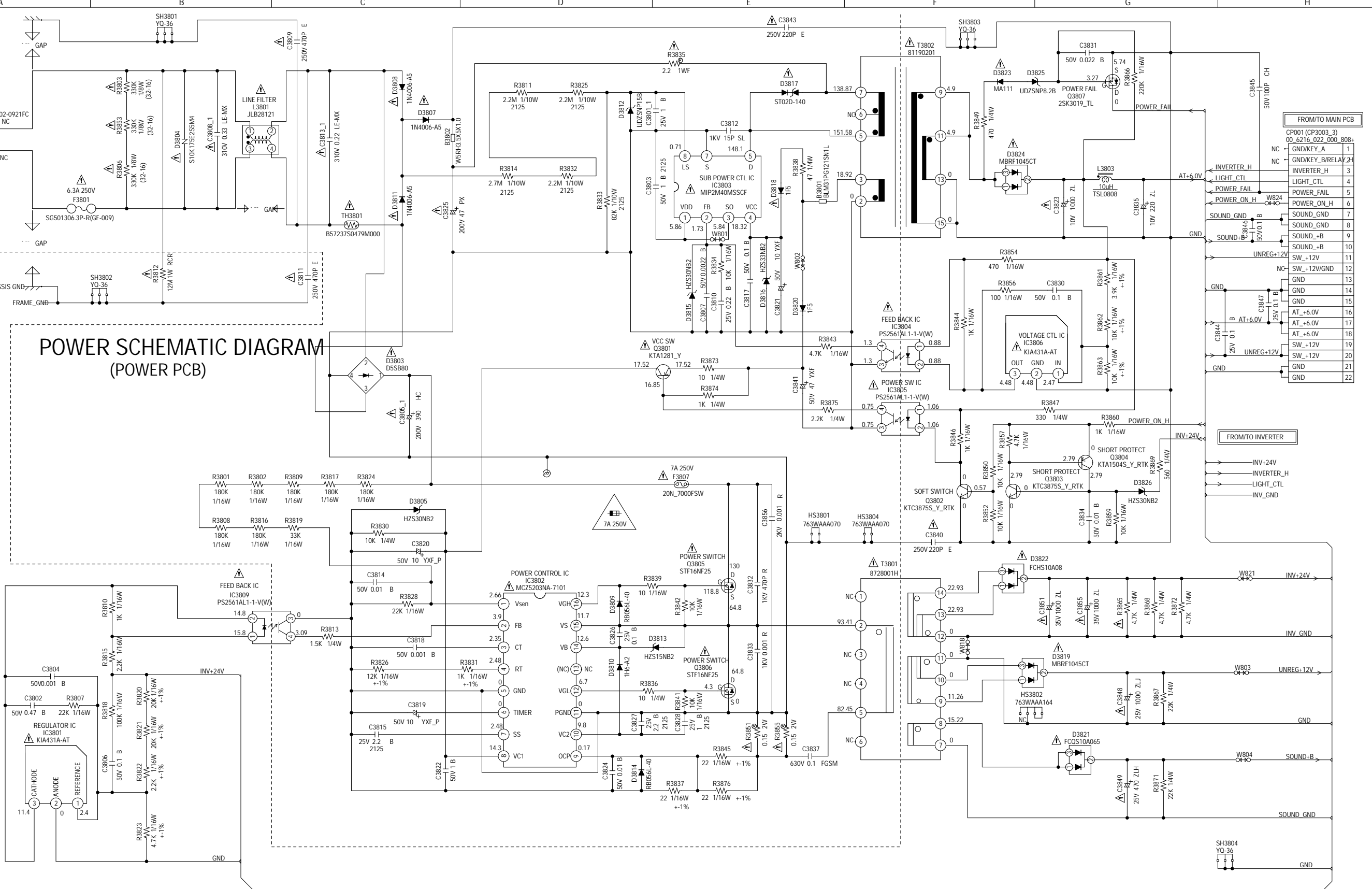
NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

NOTE: THE DC VOLTAGE AT EACH PART WAS MEASURED WITH THE DIGITAL TESTER WHEN THE COLOR BROADCAST WAS RECEIVED IN GOOD CONDITION AND PICTURE IS NORMAL.

CAUTION: DIGITAL TRANSISTOR

CAUTION: DIGITAL TRANSISTOR

POWER SCHEMATIC DIAGRAM (POWER PCB)



CAUTION :FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH THE SAME TYPE FUSE



ATTENTION :POUR UNE PROTECTION CONTINUE LES RISQUES D'INCEIE
N'UTILISER QUE DES FUSIBLE DE MEME TYPE
6.3A 250V (F3801)

CAUTION :F3801 IS MANUFACTURED BY SKYGATE CO.,LTD., TYPE SCT.

CAUTION :SINCE THESE PARTS MARKED BY ARE
CRITICAL FOR SAFETY USE ONES
DESCRIBED IN PARTS LIST ONLY .

ATTENTION :LES PIECES REPARÉES PAR UN ETANT
DANGEREUSES AN POINT DE VUE SECURITE
N'UTILISER QUE CELLS DECRITES
DANS LA NOMENCLATURE DES PIECES.

NOTE:THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME
OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

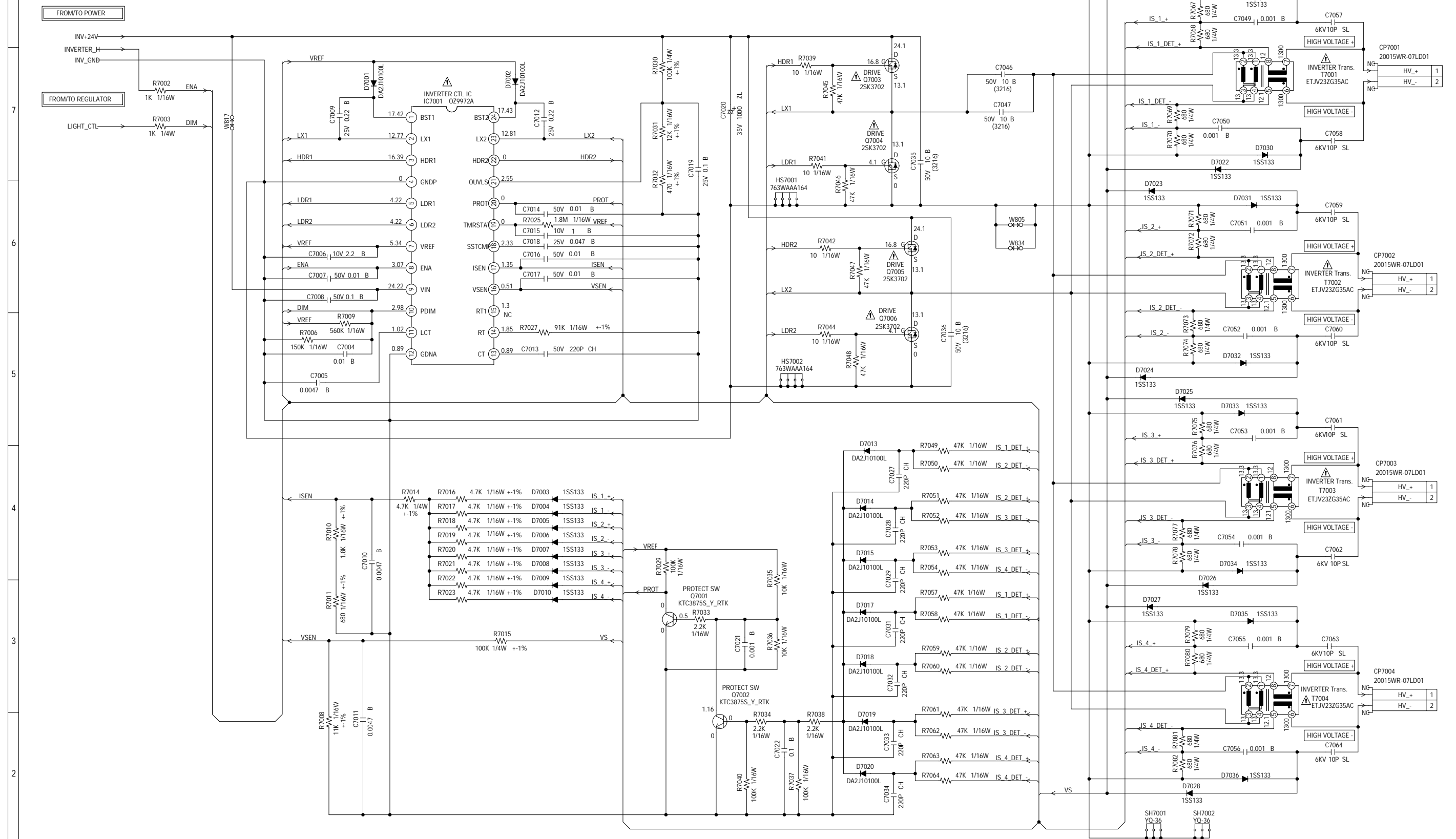
NOTE:THE DC VOLTAGE AT EACH PART WAS MEASURED
WITH THE DIGITAL TESTER WHEN THE COLOR BROADCAST
WAS RECEIVED IN GOOD CONDITION AND PICTURE IS NORMAL.


NOTE:THE RESISTOR MARKED F IS FUSE RESISTOR.
THE ALUMI ELECTROLYTIC CAPACITOR MARKED NP
IS NON POLAR ONE.


CAUTION: IS THE LIVE CONNECTION

PCB240
CEK671

INVERTER SCHEMATIC DIAGRAM (POWER PCB)



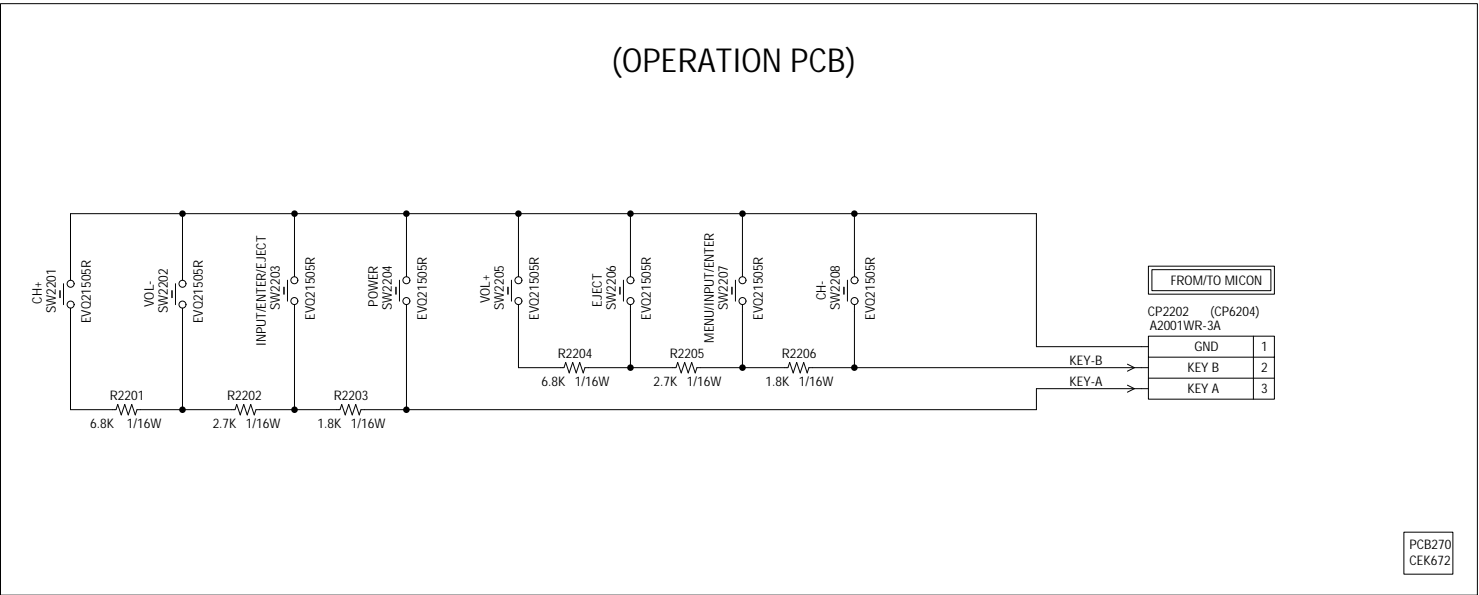
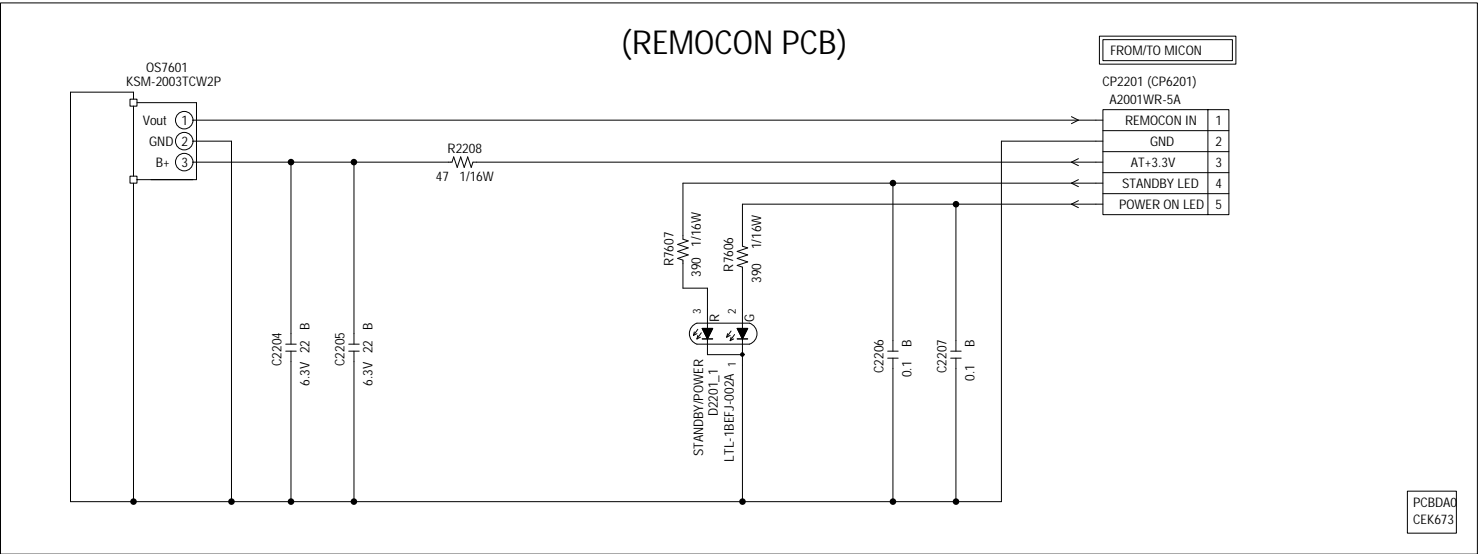
CAUTION SINCE THESE PARTS MARKED BY  ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY.

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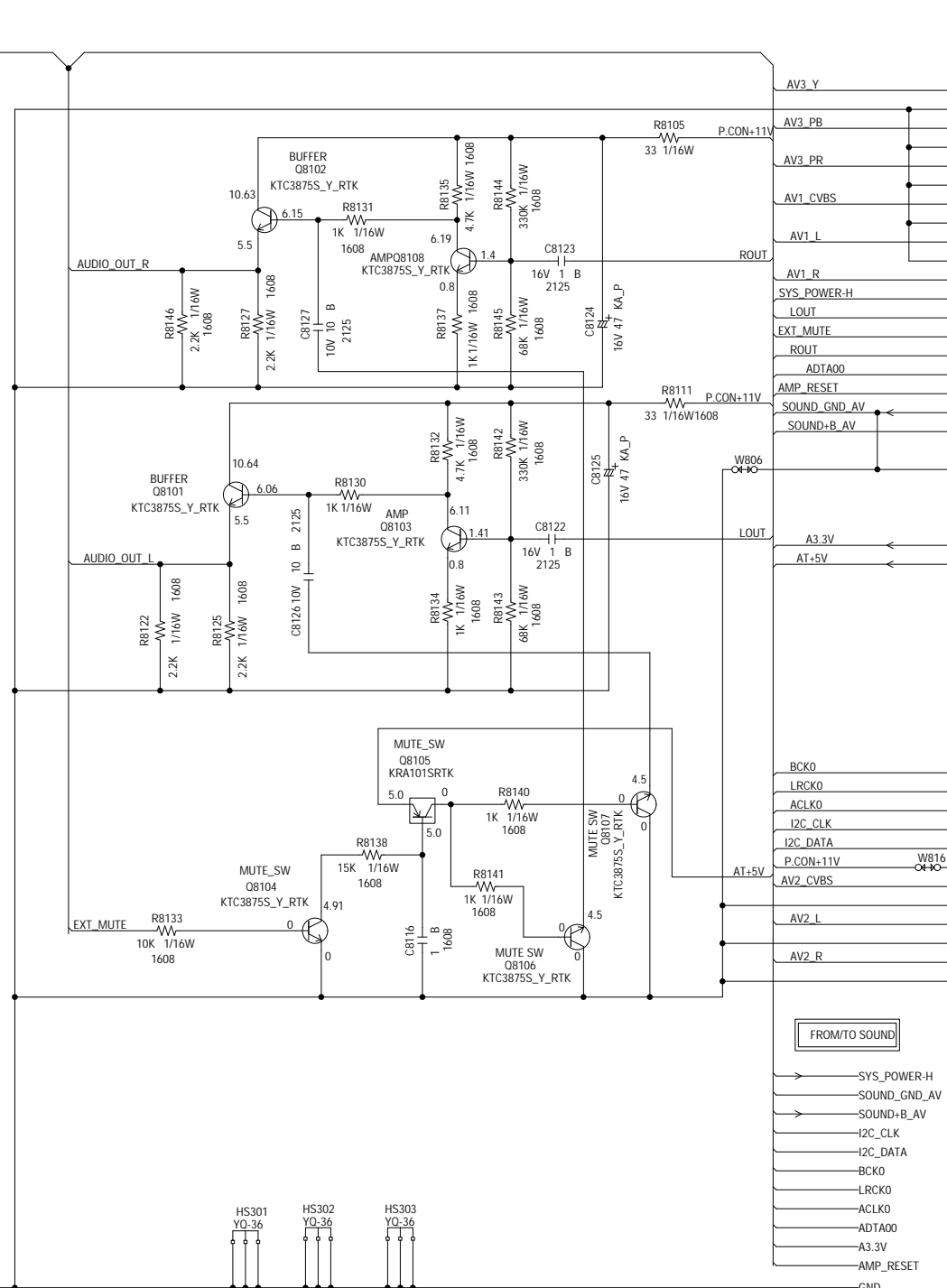
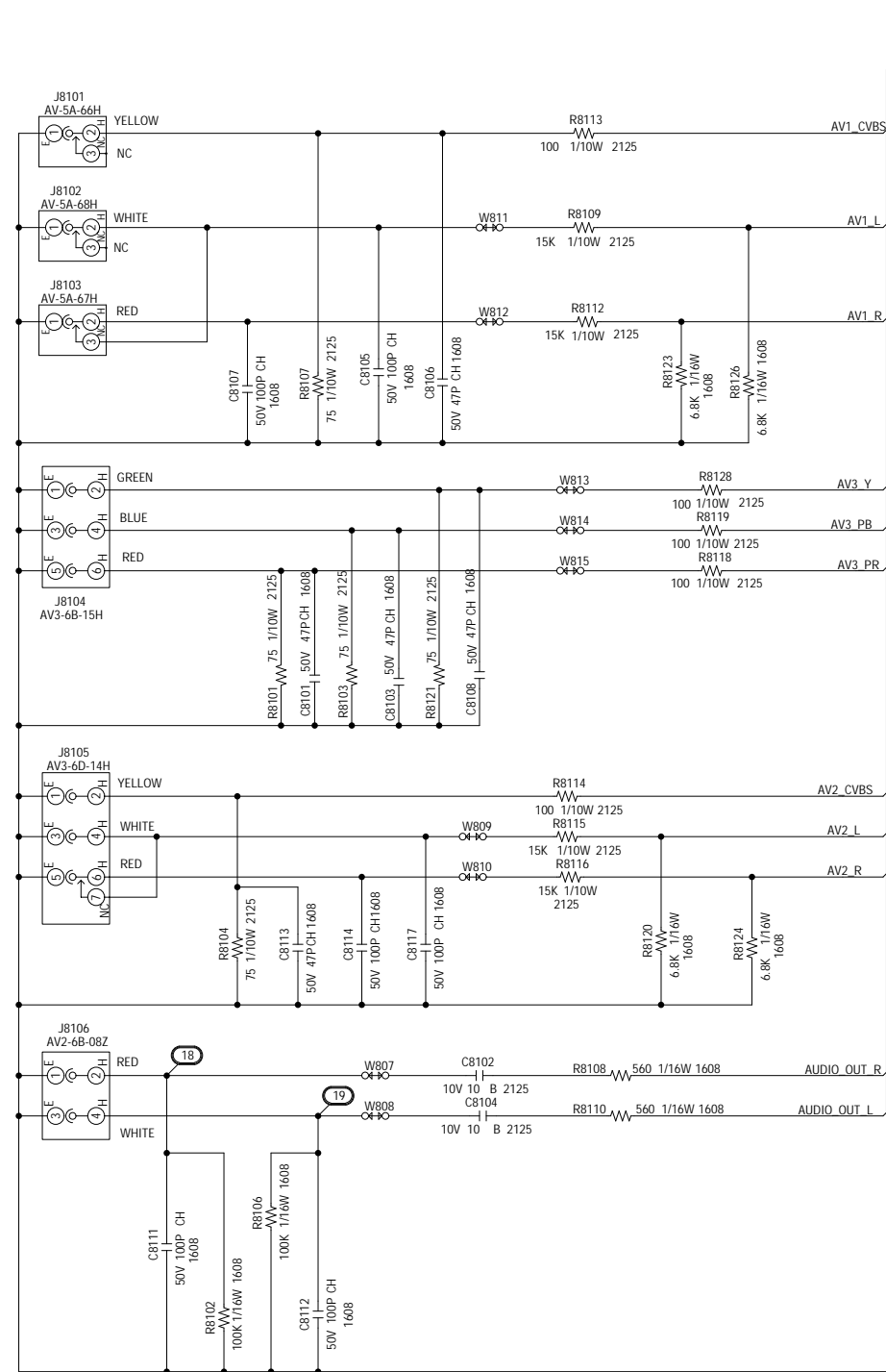
OPERATION/REMOCON SCHEMATIC DIAGRAM
(POWER PCB)



NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME
OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

NOTE: THE DC VOLTAGE AT EACH PART WAS MEASURED
WITH THE DIGITAL TESTER WHEN THE COLOR BROADCAST
WAS RECEIVED IN GOOD CONDITION AND PICTURE IS NORMAL.

JACK2 SCHEMATIC DIAGRAM
(JACK PCB)



FROM/TO JACK	
CP8101 (CP4202_1) 00_6232_026_006_800+	
COMPONENT_Y	26
GND	25
COMPONENT_PB	24
GND	23
COMPONENT_PR	22
GND	21
CVBS/YUV_A_L	20
GND	19
CVBS/YUV_A_L	18
GND	17
CVBS/YUV_A_R	16
SYS_POWER_H	15
LOUT	14
EXT_MUTE	13
ROUT	12
ADTA00	11
AMP_RESET	10
SOUND_GND_AV	9
SOUND+B_AV	8
SOUND+B	7
SOUND_GND	6
AT+3.3V	5
REMOCON_IN	4
D5.0V	3
A3.3V	2
AT+6V	1

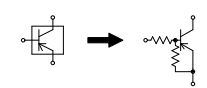
FROM/TO JACK	
CP8102 (CP4204) 00_6232_012_006_800+	
BCK0	12
LRCK0	11
ACLK0	10
I2C_CLK	9
I2C_DATA	8
P.CON+11V	7
AV2_CVBS	6
GND	5
AV2_L	4
GND	3
AV2_R	2
GND	1

FROM/TO SOUND	
SYS_POWER-H	
SOUND_GND_AV	
SOUND+B_AV	
I2C_CLK	
I2C_DATA	
BCK0	
LRCK0	
ACLK0	
ADTA00	
A3.3V	
AMP_RESET	
GND	

NOTE:THE DC VOLTAGE AT EACH PART WAS MEASURED
WITH THE DIGITAL TESTER WHEN THE COLOR BROADCAST
WAS RECEIVED IN GOOD CONDITION AND PICTURE IS NORMAL.

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OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

CAUTION: DIGITAL TRANSISTOR



PCBD90
CEK677

SOUND SCHEMATIC DIAGRAM
(DIGITAL PCB)

The diagram illustrates the electrical connections for a digital sound PCB. It features a central **SOUND AMP IC (IC301, STA333W13TR)** with multiple pins connected to various components. Key components include:

- Capacitors:** C301, C302, C303, C304, C305, C306, C307, C308, C309, C310, C311, C312, C313, C314, C315, C316, C317, C318, C319, C320, C321, C322, C323, C324, C325, C326, C327, C328, C329, C330, C331, C332, C333, C334, C335, C336, C337, C338, C339, C340, C341, C342, C343, C344, C345, C346, C347, C348, C349, C350, C351, C352, C353, C354, C355, C356, C357, C358, C359, C360, C361, C362, C363, C364, C365, C366, C367, C368, C369, C370, C371, C372, C373, C374, C375, C376, C377, C378, C379, C380, C381, C382, C383, C384, C385, C386, C387, C388, C389, C390, C391, C392, C393, C394, C395, C396, C397, C398, C399, C400, C401, C402, C403, C404, C405, C406, C407, C408, C409, C410, C411, C412, C413, C414, C415, C416, C417, C418, C419, C420, C421, C422, C423, C424, C425, C426, C427, C428, C429, C430, C431, C432, C433, C434, C435, C436, C437, C438, C439, C440, C441, C442, C443, C444, C445, C446, C447, C448, C449, C450, C451, C452, C453, C454, C455, C456, C457, C458, C459, C460, C461, C462, C463, C464, C465, C466, C467, C468, C469, C470, C471, C472, C473, C474, C475, C476, C477, C478, C479, C480, C481, C482, C483, C484, C485, C486, C487, C488, C489, C490, C491, C492, C493, C494, C495, C496, C497, C498, C499, C500, C501, C502, C503, C504, C505, C506, C507, C508, C509, C510, C511, C512, C513, C514, C515, C516, C517, C518, C519, C520, C521, C522, C523, C524, C525, C526, C527, C528, C529, C530, C531, C532, C533, C534, C535, C536, C537, C538, C539, C540, C541, C542, C543, C544, C545, C546, C547, C548, C549, C550, C551, C552, C553, C554, C555, C556, C557, C558, C559, C560, C561, C562, C563, C564, C565, C566, C567, C568, C569, C570, C571, C572, C573, C574, C575, C576, C577, C578, C579, C580, C581, C582, C583, C584, C585, C586, C587, C588, C589, C590, C591, C592, C593, C594, C595, C596, C597, C598, C599, C600, C601, C602, C603, C604, C605, C606, C607, C608, C609, C610, C611, C612, C613, C614, C615, C616, C617, C618, C619, C620, C621, C622, C623, C624, C625, C626, C627, C628, C629, C630, C631, C632, C633, C634, C635, C636, C637, C638, C639, C640, C641, C642, C643, C644, C645, C646, C647, C648, C649, C650, C651, C652, C653, C654, C655, C656, C657, C658, C659, C660, C661, C662, C663, C664, C665, C666, C667, C668, C669, C670, C671, C672, C673, C674, C675, C676, C677, C678, C679, C680, C681, C682, C683, C684, C685, C686, C687, C688, C689, C690, C691, C692, C693, C694, C695, C696, C697, C698, C699, C700, C701, C702, C703, C704, C705, C706, C707, C708, C709, C710, C711, C712, C713, C714, C715, C716, C717, C718, C719, C720, C721, C722, C723, C724, C725, C726, C727, C728, C729, C730, C731, C732, C733, C734, C735, C736, C737, C738, C739, C740, C741, C742, C743, C744, C745, C746, C747, C748, C749, C750, C751, C752, C753, C754, C755, C756, C757, C758, C759, C760, C761, C762, C763, C764, C765, C766, C767, C768, C769, C770, C771, C772, C773, C774, C775, C776, C777, C778, C779, C780, C781, C782, C783, C784, C785, C786, C787, C788, C789, C790, C791, C792, C793, C794, C795, C796, C797, C798, C799, C800, C801, C802, C803, C804, C805, C806, C807, C808, C809, C810, C811, C812, C813, C814, C815, C816, C817, C818, C819, C820, C821, C822, C823, C824, C825, C826, C827, C828, C829, C830, C831, C832, C833, C834, C835, C836, C837, C838, C839, C840, C841, C842, C843, C844, C845, C846, C847, C848, C849, C850, C851, C852, C853, C854, C855, C856, C857, C858, C859, C860, C861, C862, C863, C864, C865, C866, C867, C868, C869, C870, C871, C872, C873, C874, C875, C876, C877, C878, C879, C880, C881, C882, C883, C884, C885, C886, C887, C888, C889, C890, C891, C892, C893, C894, C895, C896, C897, C898, C899, C900, C901, C902, C903, C904, C905, C906, C907, C908, C909, C910, C911, C912, C913, C914, C915, C916, C917, C918, C919, C920, C921, C922, C923, C924, C925, C926, C927, C928, C929, C930, C931, C932, C933, C934, C935, C936, C937, C938, C939, C940, C941, C942, C943, C944, C945, C946, C947, C948, C949, C950, C951, C952, C953, C954, C955, C956, C957, C958, C959, C960, C961, C962, C963, C964, C965, C966, C967, C968, C969, C970, C971, C972, C973, C974, C975, C976, C977, C978, C979, C980, C981, C982, C983, C984, C985, C986, C987, C988, C989, C990, C991, C992, C993, C994, C995, C996, C997, C998, C999, C1000.

CAUTION: SINCE THESE PARTS MARKED BY ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY.

ATTENTION: LES PIÉCES RÉPARÉES PAR UN ÉTANT DANGEREUSES AN POINT DE VUE SÉCURITÉ N'UTILISER QUE CELLES DÉCRITES DANS LA NOMENCLATURE DES PIÉCES.

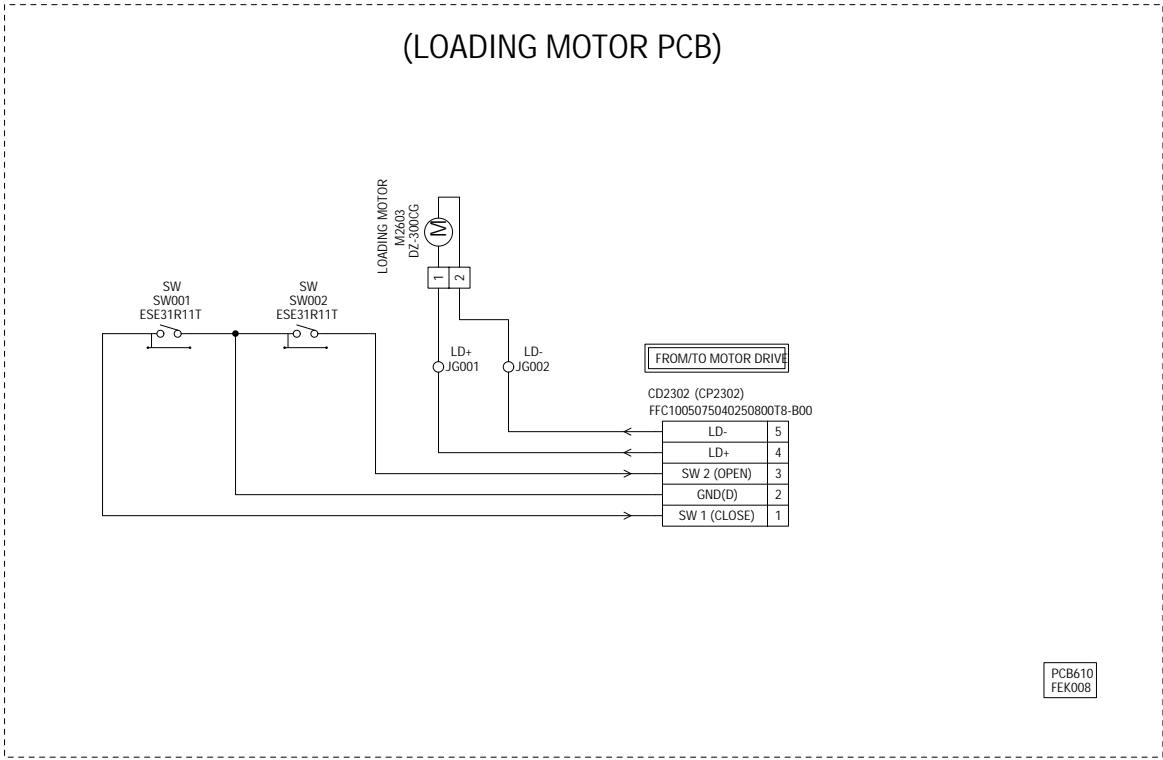
NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

NOTE: THE DC VOLTAGE AT EACH PART WAS MEASURED WITH THE DIGITAL TESTER WHEN THE COLOR BROADCAST WAS RECEIVED IN GOOD CONDITION AND PICTURE IS NORMAL.

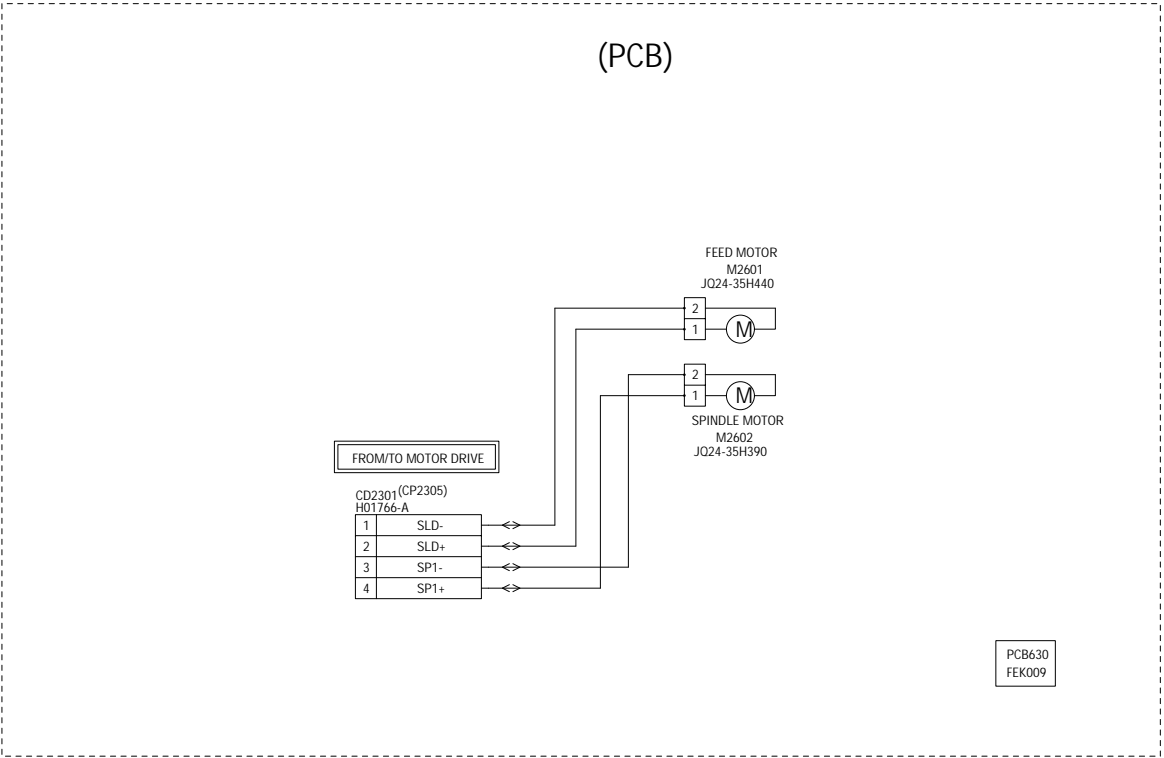
PCBD90
CEK677

PCBD90
CEK677

LOADING MOTOR SCHEMATIC DIAGRAM

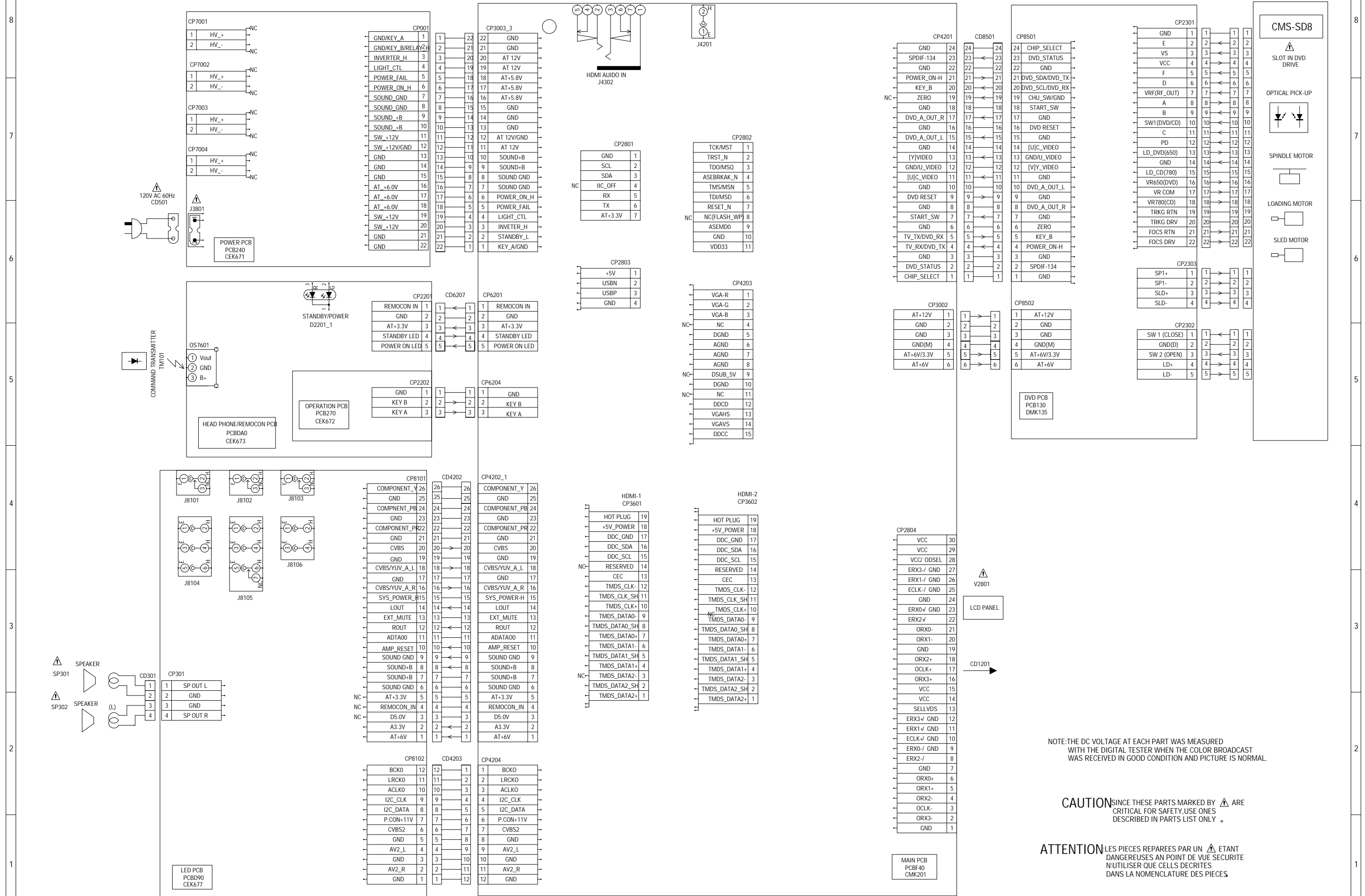


NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.



NOTE: THE DC VOLTAGE EACH PART WAS MEASURED WITH THE DIGITAL TESTER DURING PLAYBACK.

INTERCONNECTION DIAGRAM

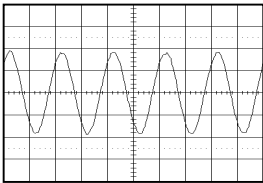


WAVEFORMS

FLASH

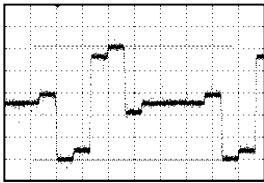
20ns
200mV

1



10us
100mV

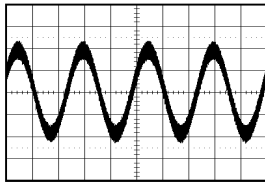
10



SOUND

1ms
200mV

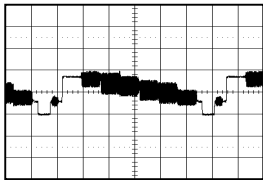
16



SCALER VIDEO/AUDIO

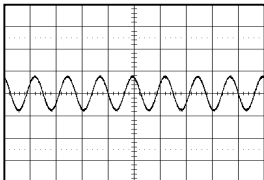
10us
0.5V

3



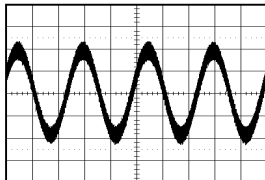
2ms
100mV

11



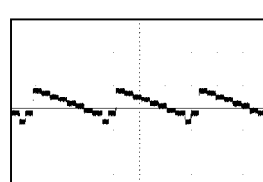
1ms
200mV

17



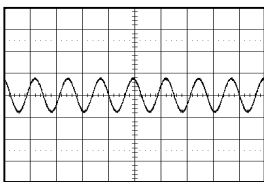
20us
500mV

6



2ms
100mV

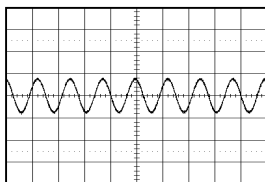
12



JACK2

2ms
500mV

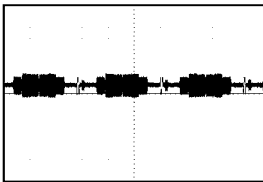
18



JACK

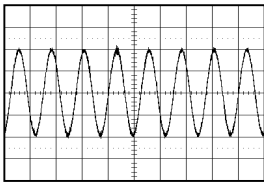
20us
500mV

7



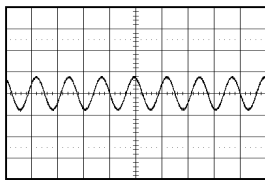
2ms
100mV

13



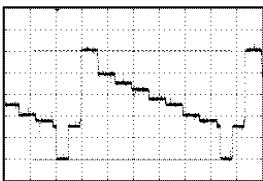
2ms
500mV

19



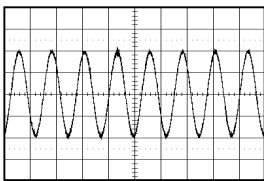
10us
200mV

8



2ms
100mV

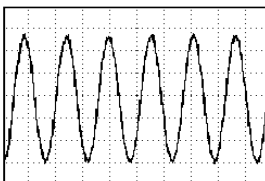
14



MPEG/MICOM/DSP

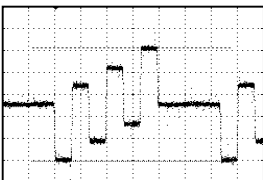
5ns
200mV

50



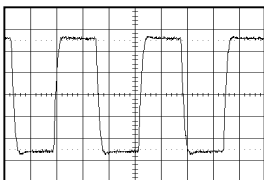
10us
100mV

9



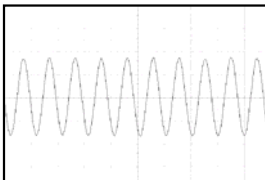
0.2us
200mV

15



20ns
200mV

51



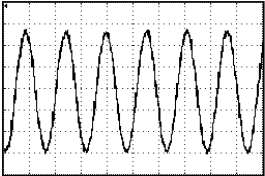
NOTE : The following waveforms were measured at the point of the corresponding balloon number in the schematic diagram.

WAVEFORMS

MPEG/MICOM/DSP

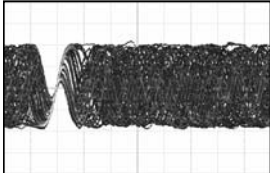
5ns
200mV

54



200ns
200mV

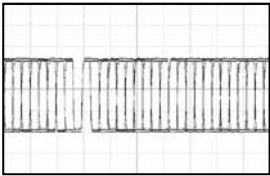
55



VIDEO/AUDIO IN/OUT

50ms
1V

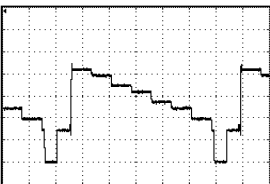
60



VIDEO/AUDIO IN/OUT

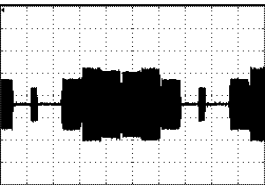
10us
200mV

56



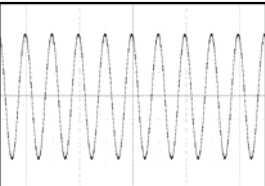
10us
200mV

57



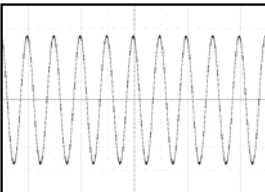
1ms
1V

58



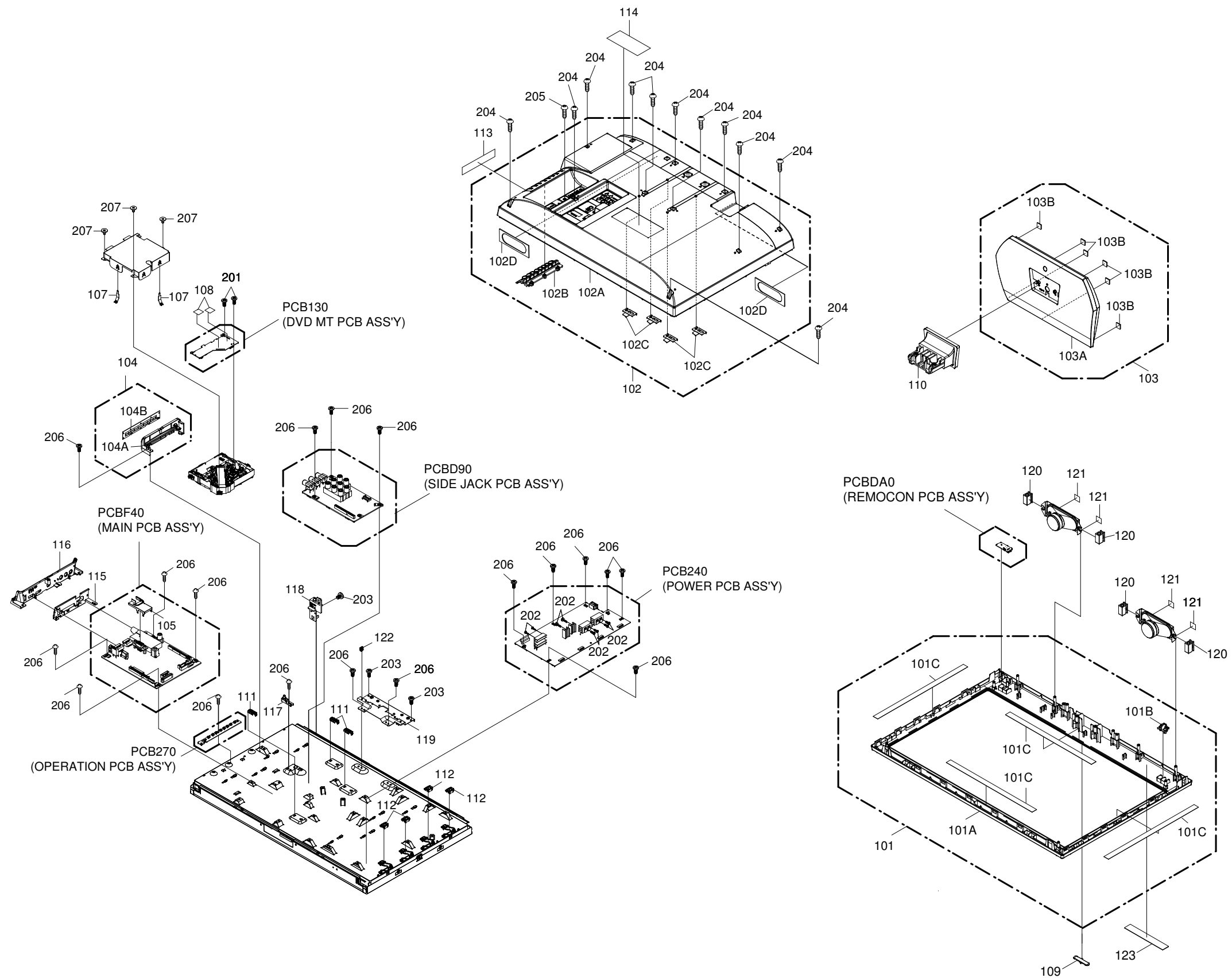
1ms
1V

59

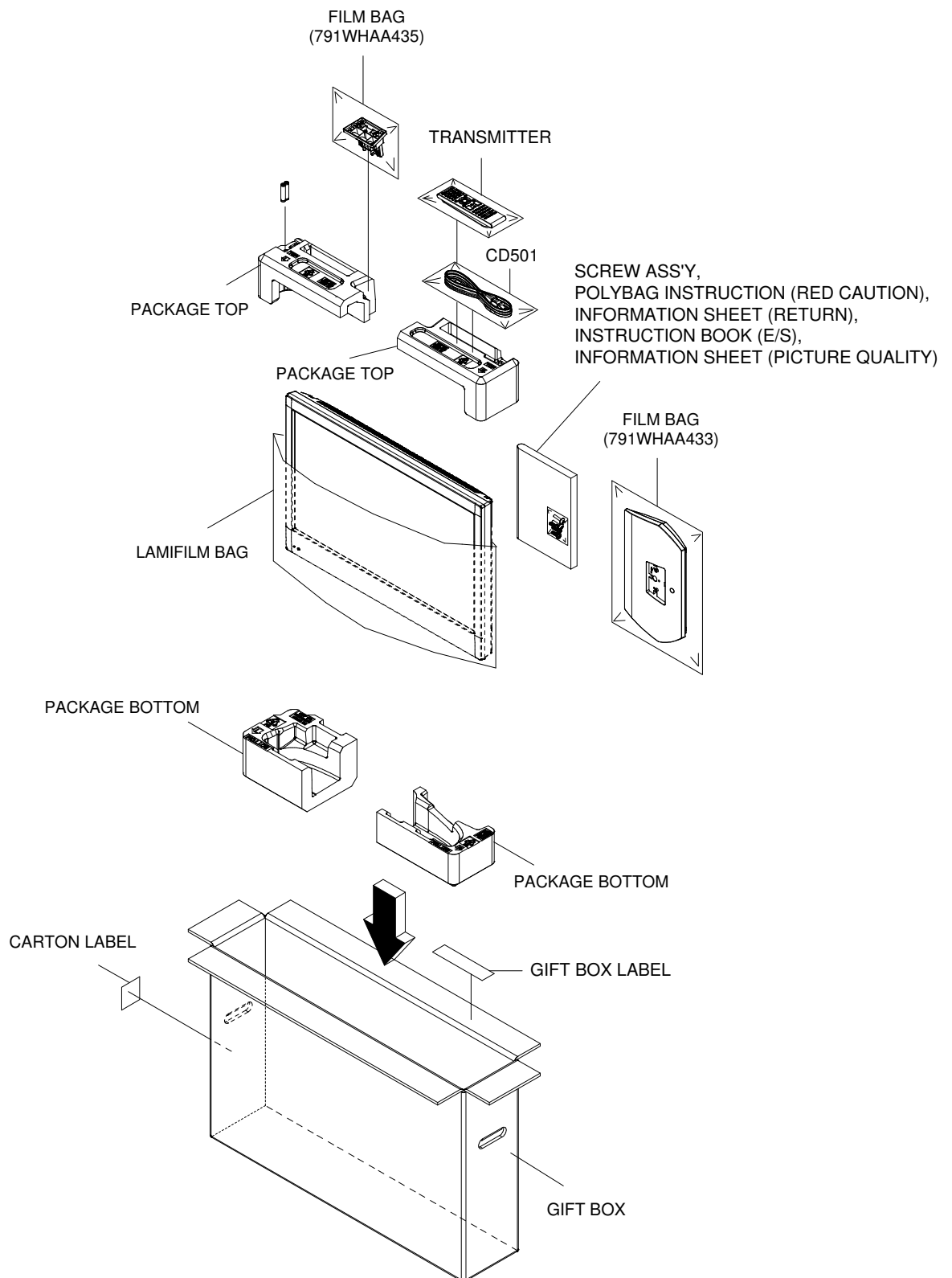


NOTE : The following waveforms were measured at the point of the corresponding balloon number in the schematic diagram.

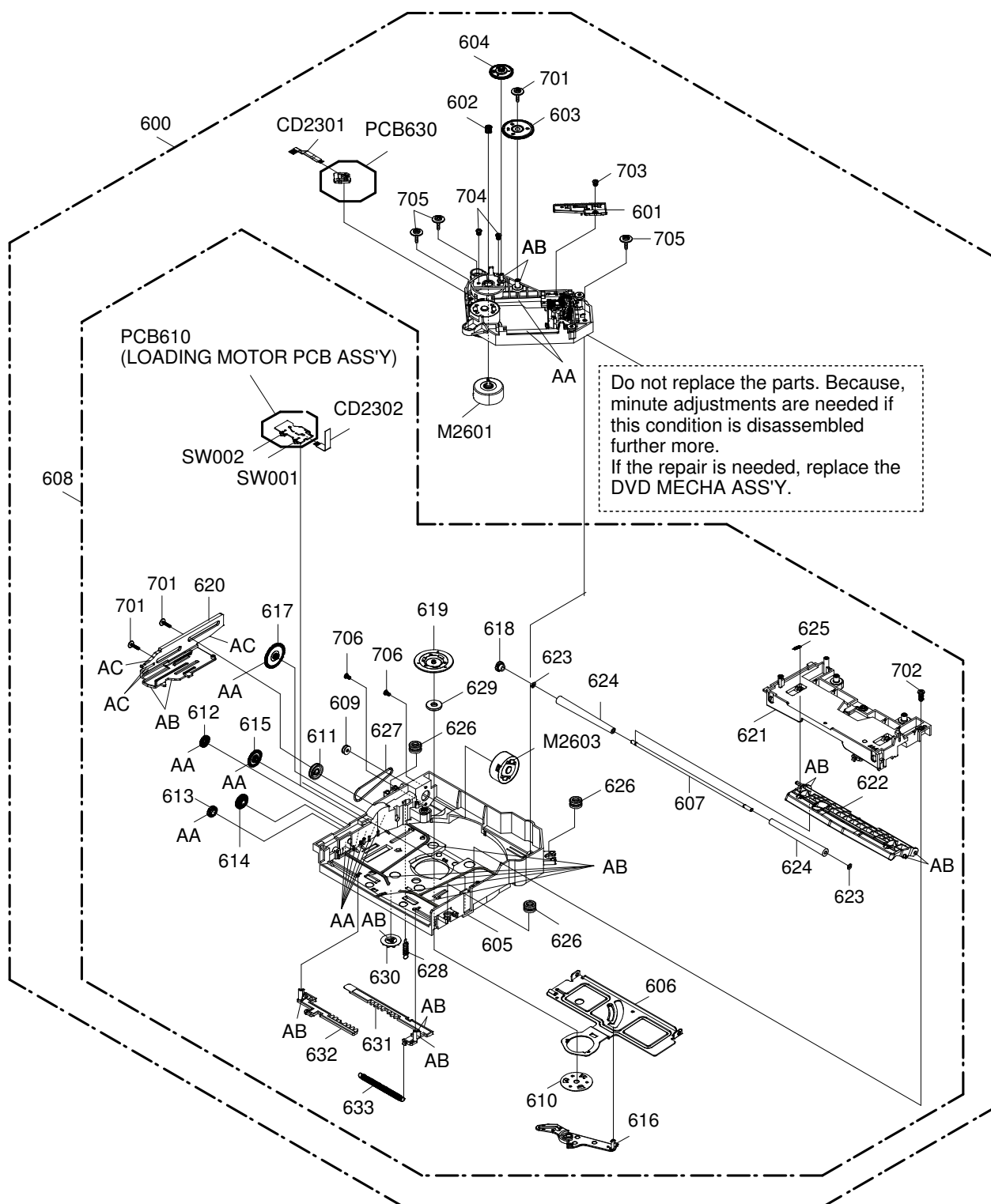
MECHANICAL EXPLODED VIEW



MECHANICAL EXPLODED VIEW (PACKING DIAGRAM)



DVD DECK EXPLODED VIEW



CLASS	PART NO.	PART NAME	MARK
GREASE	Y315141000	G-313Y	AA
	Y31D041000	CFD-5007Z	AB
	Y315181000	G-803B	AC

NOTE: Applying positions AA, AB and AC for the grease are displayed for this section. Check if the correct grease is applied for each position.

MECHANICAL REPLACEMENT PARTS LIST

REF. NO.	PART NO.	DESCRIPTION	
101	7A708A587A	FRONT CABI ASS'Y	or
	7A708A637A	FRONT CABI ASS'Y	
101A	708WPA0061	CABINET FRONT	
101B	713WPA0464	GLASS LED	
101C	800WQ00181	FELT SHEET	
102	7A702B322B	BACK CABI ASS'Y	
102A	702WPA1572	CABINET BACK	
102B	735WPA0991	BUTTON FRAME	
102C	761WSA0790	ANGLE BACK	or
	761WSA0791	ANGLE BACK	
102D	800WF0A031	CUSHION SPEAKER	
103	7A704A299A	STAND ASS'Y	
103A	704WPA0176	STAND	or
	704WPA0190	STAND	
103B	800WRA0014	CUSHION LEG	
104	7A761A028A	HOLDER DECK B ASS'Y	
104A	761WPA0649	HOLDER DECK B	
104B	800WQ0A331	FELT SHEET (DVD)	
105	752WSAA202	SHIELD TUNER	
106	752WSA0808	SHIELD DECK	
107	753WUAA006	SPRING EARTH H/AMP	
108	800WRAA002	CUSHION LEG	
109	723529A004	BADGE BRAND	1AV2BAAS025
110	7A704A303A	STAND FRAME ASS'Y	
111	709WPA0054	HOLDER WIRE	
112	709WPA0072	HOLDER WIRE	
113	721000A016	SHEET BUTTON	
114	722529A026	SHEET RATING	
115	752WUA0026	SHIELD JACK	
116	761WPA0644	PLATE JACK	
117	761WPA0647	HOLDER DECK A	
118	761WPA0648	HOLDER DECK C	
119	761WSA0871	ANGLE HINGE	
120	800CR00001	DAMPER SPEAKER	
121	800WQ00193	FELT SHEET	
201	811022080U	SCREW,TAP TITE(P) BIND	2x8
202	8109I30A0U	SCREW TAP TITE(B) WH7	3x10
203	8109230A0U	SCREW TAP TITE(B) BIND	3x10
204	8109230A4S	SCREW TAP TITE(B) BIND	3x14
205	810923080S	SCREW TAP TITE(B) BIND	3x8
206	810923080U	SCREW TAP TITE(B) BIND	3x8
207	811022680U	SCREW TAP TITE(P) BIND	2.6x8
---	723000E805	CARTON LABEL	
---	723000E806	GIFT BOX LABEL	
---	723000E895	ENERGY GUIDE LABEL	
---	791WHAA240	LAMIFILM BAG	
---	791WHAA433	FILM BAG	
---	792WHA0848	PACKAGE TOP	
---	792WHA0849	PACKAGE BOTTOM	
---	793WCDE536	GIFT BOX	
---	7G789A006A	SCREW ASS'Y	
---	J37I0529A	INFORMATION SHEET(RETURN)	
---	J56Q0221A	INSTRUCTION BOOK(E/S)	
---	J56Q0259A	INFORMATION SHEET(PICTURE QUALITY)	
---	JA5KD001	POLYBAG INSTRUCTION(RED CAUTION)	

DVD DECK REPLACEMENT PARTS LIST

REF. NO.	PART NO.	DESCRIPTION	
△ 600	A55Z01K650	DVD MECHA ASS'Y	A55Z01K650
601	92AAA0029A	FEED RACK ASSY	
602	92P100203A	GEAR MOTOR	
603	92P100201A	GEAR FEED	
604	92P100202A	GEAR MIDDLE	
605	92P100225A	FRAME	
606	92P000048A	PLATE LIFTER	
607	92P500018A	SHAFT ROLLER	
608	A55Z01K700	LOADER SUB ASS'Y	
609	92P100226A	PULLEY MOTOR	
610	92P000049A	PLATE CLAMPER	
611	92P100227A	GEAR PULLEY	
612	92P100228A	GEAR MAIN	
613	92P100229A	GEAR MIDDLE 1	
614	92P100230A	GEAR MIDDLE 2	
615	92P100231A	GEAR MIDDLE 3	
616	92P100239A	LEVER GUIDE	
617	92P100232A	GEAR MIDDLE 4	
618	92P100233A	GEAR ROLLER	
619	92P100234A	CLAMPER	
620	92P100238A	RACK BASE	
621	92P100240A	PLATE HOLDER	
622	92P100241A	SHUTTER ROLLER	
623	92P100180A	LUMIRROR WASHER	
624	92P200020A	ROLLER CONE	
625	92P300048A	SPRING SHUTTER	
626	92P200030A	INSULATOR	
627	92P200031A	BELT LOADING	
628	92P300051A	SPRING LIFTER	
629	92P400016A	MAGNET	
630	92P100235A	GEAR RACK DISC	
631	92P100236A	RACK DISC SENSOR L	
632	92P100237A	RACK DISC SENSOR R	
633	92P300050A	SPRING RACK D SENSOR	
701	92P700020A	SCREW TAP TITE(P) PAN	WH5.4 1.7x8
702	92P700018A	SCREW TAP TITE(P) BIND	2.6x8
703	813381750U	SCREW,T-TITE(B)CAMERA PAN	M1.7x5.0 P3
704	814011723U	SCREW,PAN	M1.7x2.3 P3
705	92P700017A	SCREW TAP TITE(P)BIND WH7	M2.6x8
706	814011730U	SCREW,PAN	M1.7x3 P3
CD2301	12C1040401	CORD JUMPER	FFC1004040040250800T8-B00
CD2302	12C1050701	CORD JUMPER	FFC1005075040250800T8-B00
M2601	1515K98010	MOTOR	DZ-300CE
	1515U98012	MOTOR	JQ24-35H440C
M2603	1515U98013	MOTOR	JQ24-35H440D
	1596Q98006	MOTOR	DZ-300CG
PCB610	A55Z01K610	LOADING MOTOR PCB ASS'Y	FEK008A
PCB630	A55Z01K630	TRAVERSE ASS'Y	FEK009A
SW001	0500101042	PUSH SWITCH	ESE31R11T
SW002	0500101042	PUSH SWITCH	ESE31R11T

or

or

ELECTRICAL REPLACEMENT PARTS LIST

REF. NO.	PART NO.	DESCRIPTION		REF. NO.	PART NO.	DESCRIPTION	
RESISTORS				RESISTORS			
R300	R803R9470J	RC	47 OHM 1/16W	R2875	R808R9472J	RC	4.7K OHM 1/16W
R301	R803R9330J	RC	33 OHM 1/16W	R2882	R808R9472J	RC	4.7K OHM 1/16W
R303	R803R9330J	RC	33 OHM 1/16W	R2883	R808R9472J	RC	4.7K OHM 1/16W
R304	R803R9222J	RC	2.2K OHM 1/16W	R2894	R808R9220J	RC	22 OHM 1/16W
R306	R802R8220J	RC	22 OHM 1/8W	R2895	R808R9150J	RC	15 OHM 1/16W
R307	R802R8220J	RC	22 OHM 1/8W	R2896	R808R9220J	RC	22 OHM 1/16W
R308	R801R76R8J	RC	6.8 OHM 1/10W	R2897	R808R9150J	RC	15 OHM 1/16W
R309	R801R76R8J	RC	6.8 OHM 1/10W	R2898	R808R9472J	RC	4.7K OHM 1/16W
R310	R801R76R8J	RC	6.8 OHM 1/10W	R2899	R808R9150J	RC	15 OHM 1/16W
R311	R801R76R8J	RC	6.8 OHM 1/10W	R2900	R808R9150J	RC	15 OHM 1/16W
R2201	R803R9682J	RC	6.8K OHM 1/16W	R2901	R808R9150J	RC	15 OHM 1/16W
R2202	R803R9272J	RC	2.7K OHM 1/16W	R2902	R808R9150J	RC	15 OHM 1/16W
R2203	R803R9182J	RC	1.8K OHM 1/16W	R2903	R808R9150J	RC	15 OHM 1/16W
R2204	R803R9682J	RC	6.8K OHM 1/16W	R2904	R808R9150J	RC	15 OHM 1/16W
R2205	R803R9272J	RC	2.7K OHM 1/16W	R2905	R808R9150J	RC	15 OHM 1/16W
R2206	R803R9182J	RC	1.8K OHM 1/16W	R2906	R808R9150J	RC	15 OHM 1/16W
R2208	R803R9470J	RC	47 OHM 1/16W	R2907	R808R9150J	RC	15 OHM 1/16W
R2301	R808R947J	RC	4.7 OHM 1/16W	R2908	R808R9472J	RC	4.7K OHM 1/16W
R2302	R808R947J	RC	4.7 OHM 1/16W	R2909	R808R9150J	RC	15 OHM 1/16W
R2306	R808R9332J	RC	3.3K OHM 1/16W	R2910	R808R9150J	RC	15 OHM 1/16W
R2307	R808R9332J	RC	3.3K OHM 1/16W	R2911	R808R9150J	RC	15 OHM 1/16W
R2308	R808R9103J	RC	10K OHM 1/16W	R2912	R808R9150J	RC	15 OHM 1/16W
R2309	R808R9332J	RC	3.3K OHM 1/16W	R2913	R808R9150J	RC	15 OHM 1/16W
R2310	R808R9103J	RC	10K OHM 1/16W	R2914	R808R9150J	RC	15 OHM 1/16W
R2311	R808R9103J	RC	10K OHM 1/16W	R2915	R808R9472J	RC	4.7K OHM 1/16W
R2312	R808R9183J	RC	18K OHM 1/16W	R2916	R808R9472J	RC	4.7K OHM 1/16W
R2313	R808R9183J	RC	18K OHM 1/16W	R2917	R808R9472J	RC	4.7K OHM 1/16W
R2315	R808R9822J	RC	8.2K OHM 1/16W	R2918	R808R9150J	RC	15 OHM 1/16W
R2316	R808R9332J	RC	3.3K OHM 1/16W	R2919	R808R9150J	RC	15 OHM 1/16W
R2319	R808R9103J	RC	10K OHM 1/16W	R2920	R808R9103J	RC	10K OHM 1/16W
R2325	R808R9471J	RC	470 OHM 1/16W	R2921	R808R9150J	RC	15 OHM 1/16W
R2326	R861R4010J	RC	1 OHM 1/4W	R3002	R808R9103J	RC	10K OHM 1/16W
R2328	R808R9103J	RC	10K OHM 1/16W	R3004	R808R9103J	RC	10K OHM 1/16W
R2342	R808R9103J	RC	10K OHM 1/16W	R3005	R808R9223J	RC	22K OHM 1/16W
R2344	R808R9103J	RC	10K OHM 1/16W	R3006	R808R9474J	RC	470K OHM 1/16W
R2801	R808R9221J	RC	220 OHM 1/16W	R3008	R808R9103J	RC	10K OHM 1/16W
R2802	R808R9103J	RC	10K OHM 1/16W	R3010	R808R9753F	RC	75K OHM 1/16W
R2803	R808R9103J	RC	10K OHM 1/16W	R3012	R808R9472J	RC	4.7K OHM 1/16W
R2804	R808R9103J	RC	10K OHM 1/16W	R3013	R808R9103J	RC	10K OHM 1/16W
R2805	R808R9103J	RC	10K OHM 1/16W	R3016	R808R9103J	RC	10K OHM 1/16W
R2806	R808R9103J	RC	10K OHM 1/16W	R3017	R808R9822J	RC	8.2K OHM 1/16W
R2808	R808R9471J	RC	470 OHM 1/16W	R3018	R808R9562F	RC	5.6K OHM 1/16W
R2809	R808R9151F	RC	150 OHM 1/16W	R3019	R808R9332F	RC	3.3K OHM 1/16W
R2810	R808R9472J	RC	4.7K OHM 1/16W	R3020	R808R9102F	RC	1K OHM 1/16W
R2811	R808R9103J	RC	10K OHM 1/16W	R3021	R808R9243F	RC	24K OHM 1/16W
R2812	R808R9472J	RC	4.7K OHM 1/16W	R3022	R808R9822J	RC	8.2K OHM 1/16W
R2813	R808R9102J	RC	1K OHM 1/16W	R3026	R808R9123F	RC	12K OHM 1/16W
R2815	R808R9220J	RC	22 OHM 1/16W	R3027	R808R9243F	RC	24K OHM 1/16W
R2817	R808R9220J	RC	22 OHM 1/16W	R3028	R83KR4101J	RC	100 OHM 1/4W
R2818	R808R9220J	RC	22 OHM 1/16W	R3029	R808R9103J	RC	10K OHM 1/16W
R2819	R808R9220J	RC	22 OHM 1/16W	R3032	R808R9103J	RC	10K OHM 1/16W
R2827	R808R9562F	RC	5.6K OHM 1/16W	R3040	R808R9102J	RC	1K OHM 1/16W
R2828	R808R9472J	RC	4.7K OHM 1/16W	R3072	R808R9153J	RC	15K OHM 1/16W
R2831	R808R9101F	RC	100 OHM 1/16W	R3601	R808R9100J	RC	10 OHM 1/16W
R2838	R808R9472J	RC	4.7K OHM 1/16W	R3602	R808R9100J	RC	10 OHM 1/16W
R2839	R808R9472J	RC	4.7K OHM 1/16W	R3611	R808R9473J	RC	47K OHM 1/16W
R2840	R808R9333J	RC	33K OHM 1/16W	R3613	R808R9473J	RC	47K OHM 1/16W
R2841	R808R9150J	RC	15 OHM 1/16W	R3615	R808R9473J	RC	47K OHM 1/16W
R2842	R808R96R8J	RC	6.8 OHM 1/16W	R3616	R808R9152J	RC	1.5K OHM 1/16W
R2843	R808R96R8J	RC	6.8 OHM 1/16W	R3617	R808R9473J	RC	47K OHM 1/16W
R2844	R808R9101J	RC	100 OHM 1/16W	R3618	R808R9152J	RC	1.5K OHM 1/16W
R2845	R808R9101F	RC	100 OHM 1/16W	R3619	R808R9302J	RC	3K OHM 1/16W
R2846	R808R9101F	RC	100 OHM 1/16W	R3620	R808R9302J	RC	3K OHM 1/16W
R2847	R808R9562F	RC	5.6K OHM 1/16W	R3622	R808R9472J	RC	4.7K OHM 1/16W
R2848	R808R9103J	RC	10K OHM 1/16W	R3623	R808R9472J	RC	4.7K OHM 1/16W
R2849	R808R9101J	RC	100 OHM 1/16W	R3624	R808R9102F	RC	1K OHM 1/16W
R2850	R808R9472J	RC	4.7K OHM 1/16W	R3625	R808R9102F	RC	1K OHM 1/16W
R2851	R808R9221J	RC	220 OHM 1/16W	R3627	R808R9473J	RC	47K OHM 1/16W
R2852	R808R9472J	RC	4.7K OHM 1/16W	R3628	R808R9473J	RC	47K OHM 1/16W
R2853	R808R9472J	RC	4.7K OHM 1/16W	R3629	R808R9104J	RC	100K OHM 1/16W
R2856	R808R9103J	RC	10K OHM 1/16W	R3632	R808R9472J	RC	4.7K OHM 1/16W
R2857	R808R9102J	RC	1K OHM 1/16W	R3633	R808R9104J	RC	100K OHM 1/16W
R2858	R808R9472J	RC	4.7K OHM 1/16W	R3644	R808R9302F	RC	3K OHM 1/16W
R2859	R808R9472J	RC	4.7K OHM 1/16W	R3645	R808R9222F	RC	2.2K OHM 1/16W
R2866	R808R9103J	RC	10K OHM 1/16W	R3646	R808R9561F	RC	560 OHM 1/16W
R2867	R808R9103J	RC	10K OHM 1/16W	R3801	R803R9184J	RC	180K OHM 1/16W
R2871	R808R9472J	RC	4.7K OHM 1/16W	R3802	R803R9184J	RC	180K OHM 1/16W

ELECTRICAL REPLACEMENT PARTS LIST

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
RESISTORS			RESISTORS		
R3803	R8X2R8334J	RC 330K OHM 1/8W	R4024	R808R9104J	RC 100K OHM 1/16W
R3806	R8X2R8334J	RC 330K OHM 1/8W	R4026	R808R9103J	RC 10K OHM 1/16W
R3807	R803R9223J	RC 22K OHM 1/16W	R4027	R808R9330J	RC 33 OHM 1/16W
R3808	R803R9184J	RC 180K OHM 1/16W	R4031	R808R9330J	RC 33 OHM 1/16W
R3809	R803R9184J	RC 180K OHM 1/16W	R4034	R808R9103J	RC 10K OHM 1/16W
R3810	R803R9102J	RC 1K OHM 1/16W	R4039	R808R9512J	RC 5.1K OHM 1/16W
R3811	R801R7225J	RC 2.2M OHM 1/10W	R4040	R808R9103J	RC 10K OHM 1/16W
R3812	RC31X1126J	RC 12M OHM 1W	R4042	R808R9103J	RC 10K OHM 1/16W
R3813	R002T4152J	RC 1.5K OHM 1/4W	R4043	R808R9330J	RC 33 OHM 1/16W
R3814	R801R7275J	RC 2.7M OHM 1/10W	R4044	R808R9103J	RC 10K OHM 1/16W
R3815	R803R9222J	RC 2.2K OHM 1/16W	R4045	R808R9472J	RC 4.7K OHM 1/16W
R3816	R803R9184J	RC 180K OHM 1/16W	R4046	R808R9681F	RC 680 OHM 1/16W
R3817	R803R9184J	RC 180K OHM 1/16W	R4047	R808R9103J	RC 10K OHM 1/16W
R3818	R803R9104J	RC 100K OHM 1/16W	R4050	R808R9103J	RC 10K OHM 1/16W
R3819	R803R9333J	RC 33K OHM 1/16W	R4052	R808R9471J	RC 470 OHM 1/16W
R3820	R803R9203F	RC 20K OHM 1/16W	R4053	R808R9330J	RC 33 OHM 1/16W
R3821	R803R9203F	RC 20K OHM 1/16W	R4054	R808R9330J	RC 33 OHM 1/16W
R3822	R803R9222F	RC 2.2K OHM 1/16W	R4055	R808R968J	RC 6.8 OHM 1/16W
R3823	R803R9472F	RC 4.7K OHM 1/16W	R4056	R808R9100J	RC 10 OHM 1/16W
R3824	R803R9184J	RC 180K OHM 1/16W	R4057	R808R9680J	RC 68 OHM 1/16W
R3825	R801R7225J	RC 2.2M OHM 1/10W	R4059	R808R9750F	RC 75 OHM 1/16W
R3826	R803R9123F	RC 12K OHM 1/16W	R4060	R808R9750F	RC 75 OHM 1/16W
R3828	R803R9223J	RC 22K OHM 1/16W	R4061	R808R9750F	RC 75 OHM 1/16W
R3830	R002T4103J	RC 10K OHM 1/4W	R4062	R808R9750F	RC 75 OHM 1/16W
R3831	R803R9102F	RC 1K OHM 1/16W	R4066	R808R9330J	RC 33 OHM 1/16W
R3832	R801R7225J	RC 2.2M OHM 1/10W	R4201	R803R7101J	RC 100 OHM 1/10W
R3833	R801R7823J	RC 82K OHM 1/10W	R4202	R803R7101J	RC 100 OHM 1/10W
R3834	R803R9103J	RC 10K OHM 1/16W	R4203	R803R7101J	RC 100 OHM 1/10W
R3835	R638812R2J	R,FUSE 2.2 OHM 1W	R4204	R801R7750J	RC 75 OHM 1/10W
R3836	R002T4100J	RC 10 OHM 1/4W	R4205	R801R7750J	RC 75 OHM 1/10W
R3837	R803R9220F	RC 22 OHM 1/16W	R4206	R801R7750J	RC 75 OHM 1/10W
R3838	R002T4470J	RC 47 OHM 1/4W	R4207	R808R9472J	RC 4.7K OHM 1/16W
R3839	R803R9100J	RC 10 OHM 1/16W	R4208	R808R9472J	RC 4.7K OHM 1/16W
R3841	R803R9103J	RC 10K OHM 1/16W	R4209	R808R9472J	RC 4.7K OHM 1/16W
R3842	R803R9103J	RC 10K OHM 1/16W	R4210	R808R9750J	RC 75 OHM 1/16W
R3843	R803R9472J	RC 4.7K OHM 1/16W	R4211	R808R9472J	RC 4.7K OHM 1/16W
R3844	R803R9102J	RC 1K OHM 1/16W	R4212	R808R9750J	RC 75 OHM 1/16W
R3845	R803R9220F	RC 22 OHM 1/16W	R4213	R808R9104J	RC 100K OHM 1/16W
R3846	R803R9102J	RC 1K OHM 1/16W	R4214	R808R9680J	RC 68 OHM 1/16W
R3847	R002T4331J	RC 330 OHM 1/4W	R4215	R808R9221J	RC 220 OHM 1/16W
R3849	R002T4471J	RC 470 OHM 1/4W	R4216	R808R9152J	RC 1.5K OHM 1/16W
R3850	R803R9103J	RC 10K OHM 1/16W	R4217	R808R9332J	RC 3.3K OHM 1/16W
R3851	R3K78AR15J	R,METAL OXIDE 0.15 OHM 2W	R4218	R808R9222J	RC 2.2K OHM 1/16W
R3852	R803R9103J	RC 10K OHM 1/16W	R4252	R808R9103J	RC 10K OHM 1/16W
R3853	R8X2R8334J	RC 330K OHM 1/8W	R4254	R808R9103J	RC 10K OHM 1/16W
R3854	R803R9471J	RC 470 OHM 1/16W	R4311	R808R9472J	RC 4.7K OHM 1/16W
R3855	R3K78AR15J	R,METAL OXIDE 0.15 OHM 2W	R4312	R808R9472J	RC 4.7K OHM 1/16W
R3856	R803R9101J	RC 100 OHM 1/16W	R4316	R803R9153J	RC 15K OHM 1/16W
R3857	R803R9472J	RC 4.7K OHM 1/16W	R4317	R803R9153J	RC 15K OHM 1/16W
R3859	R803R9103J	RC 10K OHM 1/16W	R4318	R808R9682J	RC 6.8K OHM 1/16W
R3860	R803R9102J	RC 1K OHM 1/16W	R4319	R808R9682J	RC 6.8K OHM 1/16W
R3861	R803R9392F	RC 3.9K OHM 1/16W	R5801	R808R9121J	RC 120 OHM 1/16W
R3862	R803R9103F	RC 10K OHM 1/16W	R5802	R808R9200J	RC 20 OHM 1/16W
R3863	R803R9103F	RC 10K OHM 1/16W	R5803	R808R9470J	RC 47 OHM 1/16W
R3865	R002T4472J	RC 4.7K OHM 1/4W	R5812	R808R9222J	RC 2.2K OHM 1/16W
R3866	R803R9224J	RC 220K OHM 1/16W	R5814	R808R9332J	RC 3.3K OHM 1/16W
R3867	R002T4223J	RC 22K OHM 1/4W	R5815	R808R9332J	RC 3.3K OHM 1/16W
R3868	R002T4472J	RC 4.7K OHM 1/4W	R5817	R808R9682J	RC 6.8K OHM 1/16W
R3869	R002T4561J	RC 560 OHM 1/4W	R5818	R808R9101J	RC 100 OHM 1/16W
R3871	R002T4223J	RC 22K OHM 1/4W	R5819	R808R9220J	RC 22 OHM 1/16W
R3872	R002T4472J	RC 4.7K OHM 1/4W	R6207	R808R9103J	RC 10K OHM 1/16W
R3873	R002T4100J	RC 10 OHM 1/4W	R6501	R808R9101J	RC 100 OHM 1/16W
R3874	R002T4102J	RC 1K OHM 1/4W	R6502	R808R9101J	RC 100 OHM 1/16W
R3875	R002T4222J	RC 2.2K OHM 1/4W	R7002	R803R9102J	RC 1K OHM 1/16W
R3876	R803R9220F	RC 22 OHM 1/16W	R7003	R002T4102J	RC 1K OHM 1/4W
R4002	R808R9103J	RC 10K OHM 1/16W	R7006	R803R9154J	RC 150K OHM 1/16W
R4004	R808R9103J	RC 10K OHM 1/16W	R7008	R803R9113F	RC 11K OHM 1/16W
R4005	R808R9151J	RC 150 OHM 1/16W	R7009	R803R9564J	RC 560K OHM 1/16W
R4006	R808R9472J	RC 4.7K OHM 1/16W	R7010	R803R9182F	RC 1.8K OHM 1/16W
R4009	R808R9330J	RC 33 OHM 1/16W	R7011	R803R9681F	RC 680 OHM 1/16W
R4014	R808R9153J	RC 15K OHM 1/16W	R7014	R4K1T4472F	R,METAL 4.7K OHM 1/4W
R4015	R808R9133F	RC 13K OHM 1/16W	R7015	R4K1T4104F	R,METAL 100K OHM 1/4W
R4016	R808R9822F	RC 8.2K OHM 1/16W	R7016	R803R9472F	RC 4.7K OHM 1/16W
R4017	R808R9103J	RC 10K OHM 1/16W	R7017	R803R9472F	RC 4.7K OHM 1/16W
R4018	R808R9133F	RC 13K OHM 1/16W	R7018	R803R9472F	RC 4.7K OHM 1/16W
R4019	R808R9133F	RC 13K OHM 1/16W	R7019	R803R9472F	RC 4.7K OHM 1/16W
R4020	R808R9103J	RC 10K OHM 1/16W	R7020	R803R9472F	RC 4.7K OHM 1/16W

ELECTRICAL REPLACEMENT PARTS LIST

REF. NO.	PART NO.	DESCRIPTION		REF. NO.	PART NO.	DESCRIPTION	
RESISTORS				RESISTORS			
R7021	R803R9472F	RC	4.7K OHM 1/16W	R8123	R803R9682J	RC	6.8K OHM 1/16W
R7022	R803R9472F	RC	4.7K OHM 1/16W	R8124	R803R9682J	RC	6.8K OHM 1/16W
R7023	R803R9472F	RC	4.7K OHM 1/16W	R8125	R803R9222J	RC	2.2K OHM 1/16W
R7025	R803R9185J	RC	1.8M OHM 1/16W	R8126	R803R9682J	RC	6.8K OHM 1/16W
R7027	R803R9913F	RC	91K OHM 1/16W	R8127	R803R9222J	RC	2.2K OHM 1/16W
R7029	R803R9104J	RC	100K OHM 1/16W	R8128	R801R7101J	RC	100 OHM 1/10W
R7030	R4K1T4104F	R,METAL	100K OHM 1/4W	R8130	R803R9102J	RC	1K OHM 1/16W
R7031	R803R9123F	RC	12K OHM 1/16W	R8131	R803R9102J	RC	1K OHM 1/16W
R7032	R803R9471F	RC	470 OHM 1/16W	R8132	R803R9472J	RC	4.7K OHM 1/16W
R7033	R803R9222J	RC	2.2K OHM 1/16W	R8133	R803R9103J	RC	10K OHM 1/16W
R7034	R803R9222J	RC	2.2K OHM 1/16W	R8134	R803R9102J	RC	1K OHM 1/16W
R7035	R803R9103J	RC	10K OHM 1/16W	R8135	R803R9472J	RC	4.7K OHM 1/16W
R7036	R803R9103J	RC	10K OHM 1/16W	R8137	R803R9102J	RC	1K OHM 1/16W
R7037	R803R9104J	RC	100K OHM 1/16W	R8138	R803R9153J	RC	15K OHM 1/16W
R7038	R803R9222J	RC	2.2K OHM 1/16W	R8140	R803R9102J	RC	1K OHM 1/16W
R7039	R803R9100J	RC	10 OHM 1/16W	R8141	R803R9102J	RC	1K OHM 1/16W
R7040	R803R9104J	RC	100K OHM 1/16W	R8142	R803R9334J	RC	330K OHM 1/16W
R7041	R803R9100J	RC	10 OHM 1/16W	R8143	R803R9683J	RC	68K OHM 1/16W
R7042	R803R9100J	RC	10 OHM 1/16W	R8144	R803R9334J	RC	330K OHM 1/16W
R7044	R803R9100J	RC	10 OHM 1/16W	R8145	R803R9683J	RC	68K OHM 1/16W
R7045	R803R9473J	RC	47K OHM 1/16W	R8146	R803R9222J	RC	2.2K OHM 1/16W
R7046	R803R9473J	RC	47K OHM 1/16W	R8501	R808R9100J	RC	10 OHM 1/16W
R7047	R803R9473J	RC	47K OHM 1/16W	R8502	R808R9100J	RC	10 OHM 1/16W
R7048	R803R9473J	RC	47K OHM 1/16W	R8503	R808R9334J	RC	330K OHM 1/16W
R7049	R803R9473J	RC	47K OHM 1/16W	R8504	R808R9103J	RC	10K OHM 1/16W
R7050	R803R9473J	RC	47K OHM 1/16W	R8505	R808R9103J	RC	10K OHM 1/16W
R7051	R803R9473J	RC	47K OHM 1/16W	R8506	R808R9334J	RC	330K OHM 1/16W
R7052	R803R9473J	RC	47K OHM 1/16W	R8507	R808R9100J	RC	10 OHM 1/16W
R7053	R803R9473J	RC	47K OHM 1/16W	R8509	R808R9223J	RC	22K OHM 1/16W
R7054	R803R9473J	RC	47K OHM 1/16W	R8510	R808R9562J	RC	5.6K OHM 1/16W
R7057	R803R9473J	RC	47K OHM 1/16W	R8511	R808R9103J	RC	10K OHM 1/16W
R7058	R803R9473J	RC	47K OHM 1/16W	R8513	R808R9103J	RC	10K OHM 1/16W
R7059	R803R9473J	RC	47K OHM 1/16W	R8515	R808R9103J	RC	10K OHM 1/16W
R7060	R803R9473J	RC	47K OHM 1/16W	R8516	R808R9103J	RC	10K OHM 1/16W
R7061	R803R9473J	RC	47K OHM 1/16W	R8519	R808R9330J	RC	33 OHM 1/16W
R7062	R803R9473J	RC	47K OHM 1/16W	R8522	R808R9223J	RC	22K OHM 1/16W
R7063	R803R9473J	RC	47K OHM 1/16W	R8523	R808R9223J	RC	22K OHM 1/16W
R7064	R803R9473J	RC	47K OHM 1/16W	R8525	R808R9221J	RC	220 OHM 1/16W
R7067	R002T4681J	RC	680 OHM 1/4W	R8526	R808R9221J	RC	220 OHM 1/16W
R7068	R002T4681J	RC	680 OHM 1/4W	R8527	R808R9103J	RC	10K OHM 1/16W
R7069	R002T4681J	RC	680 OHM 1/4W	R8531	R808R9103J	RC	10K OHM 1/16W
R7070	R002T4681J	RC	680 OHM 1/4W	R8533	R808R9103J	RC	10K OHM 1/16W
R7071	R002T4681J	RC	680 OHM 1/4W	R8534	R803R9330J	RC	33 OHM 1/16W
R7072	R002T4681J	RC	680 OHM 1/4W	R8535	R808R9103J	RC	10K OHM 1/16W
R7073	R002T4681J	RC	680 OHM 1/4W	R8536	R808R9103J	RC	10K OHM 1/16W
R7074	R002T4681J	RC	680 OHM 1/4W	R8538	R808R9562F	RC	5.6K OHM 1/16W
R7075	R002T4681J	RC	680 OHM 1/4W	R8539	R808R9471F	RC	470 OHM 1/16W
R7076	R002T4681J	RC	680 OHM 1/4W	R8540	R808R9472F	RC	4.7K OHM 1/16W
R7077	R002T4681J	RC	680 OHM 1/4W	R8541	R803R9681J	RC	680 OHM 1/16W
R7078	R002T4681J	RC	680 OHM 1/4W	R8542	R808R9100J	RC	10 OHM 1/16W
R7079	R002T4681J	RC	680 OHM 1/4W	R8543	R808R9102J	RC	1K OHM 1/16W
R7080	R002T4681J	RC	680 OHM 1/4W	R8544	R81ZR2R47J	RC	0.47 OHM 1/2W
R7081	R002T4681J	RC	680 OHM 1/4W	CAPACITORS			
R7082	R002T4681J	RC	680 OHM 1/4W	C300	CS0PB0315K	CC	0.1 UF 25V B
R7606	R803R9391J	RC	390 OHM 1/16W	C301	CS0PB0215K	CC	0.1 UF 16V B
R7607	R803R9391J	RC	390 OHM 1/16W	C302	CS0PB0315K	CC	0.1 UF 25V B
R8101	R801R7750J	RC	75 OHM 1/10W	C304	CS0PB0413K	CC	0.001 UF 50V B
R8102	R803R9104J	RC	100K OHM 1/16W	C305	CS0PB04Q3K	CC	0.0047UF 50V B
R8103	R801R7750J	RC	75 OHM 1/10W	C306	CS0PB0315K	CC	0.1 UF 25V B
R8104	R801R7750J	RC	75 OHM 1/10W	C307	CS0RB04Q5K	CC	0.47 UF 50V B
R8105	R803R9330J	RC	33 OHM 1/16W	C308	CS0PCH4U2J	CC	680 PF 50V CH
R8106	R803R9104J	RC	100K OHM 1/16W	C309	CS0PB0316K	CC	1 UF 25V B
R8107	R801R7750J	RC	75 OHM 1/10W	C310	CS0PB0316K	CC	1 UF 25V B
R8108	R803R9561J	RC	560 OHM 1/16W	C311	CS0PB0315K	CC	0.1 UF 25V B
R8109	R801R7153J	RC	15K OHM 1/10W	C312	CS0PB0315K	CC	0.1 UF 25V B
R8110	R803R9561J	RC	560 OHM 1/16W	C313	E7EST3471M	CE	470 UF 25V
R8111	R803R9330J	RC	33 OHM 1/16W	C315	CS0PB0315K	CC	0.1 UF 25V B
R8112	R801R7153J	RC	15K OHM 1/10W	C316	CS0PB0315K	CC	0.1 UF 25V B
R8113	R801R7101J	RC	100 OHM 1/10W	C317	CS0PB04L2K	CC	330 PF 50V B
R8114	R801R7101J	RC	100 OHM 1/10W	C318	CS0PB04L2K	CC	330 PF 50V B
R8115	R801R7153J	RC	15K OHM 1/10W	C319	CS0PB0415K	CC	0.1 UF 50V B
R8116	R801R7153J	RC	15K OHM 1/10W	C320	CS0PB0415K	CC	0.1 UF 50V B
R8118	R801R7101J	RC	100 OHM 1/10W	C321	CS0PB0415K	CC	0.1 UF 50V B
R8119	R801R7101J	RC	100 OHM 1/10W	C322	CS0PB0415K	CC	0.1 UF 50V B
R8120	R803R9682J	RC	6.8K OHM 1/16W	C323	CS0PB0415K	CC	0.1 UF 50V B
R8121	R801R7750J	RC	75 OHM 1/10W	C324	CS0PB0415K	CC	0.1 UF 50V B
R8122	R803R9222J	RC	2.2K OHM 1/16W	C325	CS0PB0415K	CC	0.1 UF 50V B

ELECTRICAL REPLACEMENT PARTS LIST

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
CAPACITORS			CAPACITORS		
C326	CS0PB0415K	CC 0.1 UF 50V B	C2848	CS0RB0PH7M	CC 22 UF 6.3V B
C327	CS0PB0413K	CC 0.001 UF 50V B	C2849	CS0UB0N15K	CC 0.1 UF 10V B
C328	CS0PB0413K	CC 0.001 UF 50V B	C2850	CS0UB0N15K	CC 0.1 UF 10V B
C329	CS0PB0413K	CC 0.001 UF 50V B	C2854	CS0PB0315K	CC 0.1 UF 25V B
C330	CS0PB0413K	CC 0.001 UF 50V B	C2855	CS0UB0N15K	CC 0.1 UF 10V B
C331	CS0PB0413K	CC 0.001 UF 50V B	C2856	CS0UB0N15K	CC 0.1 UF 10V B
C332	CS0PB0413K	CC 0.001 UF 50V B	C2857	CS0UB0N15K	CC 0.1 UF 10V B
C333	CS0RB04Q5K	CC 0.47 UF 50V B	C2858	CS0UB0N15K	CC 0.1 UF 10V B
C335	CS0PCH4Q1J	CC 47 PF 50V CH	C2859	CS0UB0N15K	CC 0.1 UF 10V B
C336	CS0PCH4Q1J	CC 47 PF 50V CH	C2860	CS0RB0N17K	CC 10 UF 10V B
C2204	CS0RB0PH7M	CC 22 UF 6.3V B	C2861	CS0UB0N15K	CC 0.1 UF 10V B
C2205	CS0RB0PH7M	CC 22 UF 6.3V B	C2862	CS0UB0N15K	CC 0.1 UF 10V B
C2206	CS0PB0315K	CC 0.1 UF 25V B	C2863	CS0UB0N15K	CC 0.1 UF 10V B
C2207	CS0PB0315K	CC 0.1 UF 25V B	C2864	CS0UB0N16K	CC 1 UF 10V B
C2301	CS0UB0315K	CC 0.1 UF 25V B	C2865	CS0UB0N15K	CC 0.1 UF 10V B
C2303	CS0UB0315K	CC 0.1 UF 25V B	C2866	CS0UB0N15K	CC 0.1 UF 10V B
C2305	CS0UB0315K	CC 0.1 UF 25V B	C2867	CS0UB0N15K	CC 0.1 UF 10V B
C2306	E72BM2470M	CE 47 UF 16V	C2868	CS0UB0N15K	CC 0.1 UF 10V B
C2307	CS0UB0315K	CC 0.1 UF 25V B	C2869	CS0UB0N15K	CC 0.1 UF 10V B
C2308	CS0UCH4L1J	CC 33 PF 50V CH	C2870	CS0UB0N15K	CC 0.1 UF 10V B
C2309	CS0UCH412J	CC 100 PF 50V CH	C2871	CS0UB0N15K	CC 0.1 UF 10V B
C2310	CS0UB0413K	CC 0.001 UF 50V B	C2872	CS0UB0N15K	CC 0.1 UF 10V B
C2311	CS0UB0315K	CC 0.1 UF 25V B	C2873	CS0UB0N15K	CC 0.1 UF 10V B
C2312	CS0UCH4H2J	CC 220 PF 50V CH	C2874	CS0RB0N17K	CC 10 UF 10V B
C2313	CS0UCH4H2J	CC 220 PF 50V CH	C2875	CS0UB0N15K	CC 0.1 UF 10V B
C2320	E72BM0470M	CE 47 UF 6.3V	C2876	CS0UB0N15K	CC 0.1 UF 10V B
C2321	E72BM0470M	CE 47 UF 6.3V	C2877	CS0UB0N15K	CC 0.1 UF 10V B
C2322	CS0PB03H5K	CC 0.22 UF 25V B	C2878	CS0UB0214K	CC 0.01 UF 16V B
C2323	CS0PB03H5K	CC 0.22 UF 25V B	C2879	CS0UB0N15K	CC 0.1 UF 10V B
C2324	CS0UCH412J	CC 100 PF 50V CH	C2880	CS0UB0N15K	CC 0.1 UF 10V B
C2328	CS0UB0314K	CC 0.01 UF 25V B	C2881	CS0UB0N15K	CC 0.1 UF 10V B
C2330	CS0UCH412J	CC 100 PF 50V CH	C2882	CS0UB0N15K	CC 0.1 UF 10V B
C2332	CS0UCH411J	CC 10 PF 50V CH	C2883	CS0UB0N15K	CC 0.1 UF 10V B
C2333	CS0UB0314K	CC 0.01 UF 25V B	C2884	CS0UB0N15K	CC 0.1 UF 10V B
C2334	CS0UCH412J	CC 100 PF 50V CH	C2885	CS0UB0N15K	CC 0.1 UF 10V B
C2335	CS0UCH412J	CC 100 PF 50V CH	C2886	CS0UB0N15K	CC 0.1 UF 10V B
C2336	CS0UB0315K	CC 0.1 UF 25V B	C2887	CS0UB0NH5K	CC 0.22 UF 10V B
C2801	CS0UB0N15K	CC 0.1 UF 10V B	C2888	CS0RB0N17K	CC 10 UF 10V B
C2805	CS0UB0214K	CC 0.01 UF 16V B	C2891	CS0RB0N17K	CC 10 UF 10V B
C2807	CS0UCH4K1J	CC 27 PF 50V CH	C2894	CS0RB0N17K	CC 10 UF 10V B
C2808	CS0UCH4H1J	CC 22 PF 50V CH	C2895	CS0UB0N15K	CC 0.1 UF 10V B
C2809	CS0UB0413K	CC 0.001 UF 50V B	C2897	CS0RB0N17K	CC 10 UF 10V B
C2812	CS0UB0N15K	CC 0.1 UF 10V B	C2898	CS0PB0NH6K	CC 2.2 UF 10V B
C2813	CS0PB0N16K	CC 1 UF 10V B	C2899	CS0PB0N16K	CC 1 UF 10V B
C2814	CS0PB0N16K	CC 1 UF 10V B	C2901	CS0UB0N15K	CC 0.1 UF 10V B
C2815	CS0UB0N15K	CC 0.1 UF 10V B	C2902	CS0RB0N17K	CC 10 UF 10V B
C2816	CS0UB0N15K	CC 0.1 UF 10V B	C2903	CS0UB0413K	CC 0.001 UF 50V B
C2817	CS0PB0N16K	CC 1 UF 10V B	C2904	CS0UB0413K	CC 0.001 UF 50V B
C2818	CS0UB0N15K	CC 0.1 UF 10V B	C2905	CS0RB0N17K	CC 10 UF 10V B
C2819	CS0UB0N15K	CC 0.1 UF 10V B	C2906	CS0RB0N17K	CC 10 UF 10V B
C2820	CS0UB0N15K	CC 0.1 UF 10V B	C2907	CS0UB0N15K	CC 0.1 UF 10V B
C2821	CS0UB0N15K	CC 0.1 UF 10V B	C2910	CS0RB0PH7M	CC 22 UF 6.3V B
C2822	CS0PB0N16K	CC 1 UF 10V B	C2911	CS0RB0PH7M	CC 22 UF 6.3V B
C2823	CS0PB0N16K	CC 1 UF 10V B	C2912	CS0UB0N15K	CC 0.1 UF 10V B
C2824	CS0PB0N16K	CC 1 UF 10V B	C2914	CS0RB0217K	CC 10 UF 16V B
C2825	CS0UB0N15K	CC 0.1 UF 10V B	C2915	CS0PB0N16K	CC 1 UF 10V B
C2826	CS0UB0N15K	CC 0.1 UF 10V B	C2916	CS0PB0N16K	CC 1 UF 10V B
C2827	CS0UB0N15K	CC 0.1 UF 10V B	C2917	CS0RB0PH7M	CC 22 UF 6.3V B
C2828	CS0UB0N15K	CC 0.1 UF 10V B	C2918	CS0RB0PH7M	CC 22 UF 6.3V B
C2829	CS0UB0N15K	CC 0.1 UF 10V B	C2921	CS0RB0PH7M	CC 22 UF 6.3V B
C2830	CS0UB0N15K	CC 0.1 UF 10V B	C2922	CS0RB0PH7M	CC 22 UF 6.3V B
C2831	CS0UB0N15K	CC 0.1 UF 10V B	C2923	CS0PB0P17M	CC 10 UF 6.3V B
C2832	CS0UB0N15K	CC 0.1 UF 10V B	C2924	CS0UB0N15K	CC 0.1 UF 10V B
C2833	CS0UB0214K	CC 0.01 UF 16V B	C2925	CS0UB0N15K	CC 0.1 UF 10V B
C2834	CS0UB0N15K	CC 0.1 UF 10V B	C2926	CS0UB0N15K	CC 0.1 UF 10V B
C2836	CS0RB0PH7M	CC 22 UF 6.3V B	C2965	CS0UCH4H1J	CC 22 PF 50V CH
C2837	CS0UB0N15K	CC 0.1 UF 10V B	C2968	CS0UCH4H1J	CC 22 PF 50V CH
C2838	CS0UB0N15K	CC 0.1 UF 10V B	C2976	CS0UB0N15K	CC 0.1 UF 10V B
C2839	CS0UB0N15K	CC 0.1 UF 10V B	C3003	CS0RB0N17K	CC 10 UF 10V B
C2840	CS0RB0PH7M	CC 22 UF 6.3V B	C3004	CS0RB0N17K	CC 10 UF 10V B
C2841	CS0UB0N15K	CC 0.1 UF 10V B	C3008	CS0UB0N16K	CC 1 UF 10V B
C2842	CS0UB0N15K	CC 0.1 UF 10V B	C3009	CS0RB0N17K	CC 10 UF 10V B
C2843	CS0UB0N15K	CC 0.1 UF 10V B	C3011	CS0PB0N16K	CC 1 UF 10V B
C2844	CS0UB0N15K	CC 0.1 UF 10V B	C3012	CS0UB0N15K	CC 0.1 UF 10V B
C2845	CS0UB0N15K	CC 0.1 UF 10V B	C3014	CS0RB0N17K	CC 10 UF 10V B
C2846	CS0UB0N15K	CC 0.1 UF 10V B	C3017	CS0RB02Q6K	CC 4.7 UF 16V B
C2847	CS0UB0N15K	CC 0.1 UF 10V B	C3018	CS0UB0413K	CC 0.001 UF 50V B

ELECTRICAL REPLACEMENT PARTS LIST

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
CAPACITORS			CAPACITORS		
C3019	CS0UB0214K	CC 0.01 UF 16V B	C3849	E8E1T3471M	CE 470 UF 25V
C3021	CS0RB0N17K	CC 10 UF 10V B	C3851	E7EYF4102M	CE 1000 UF 35V
C3023	CS0UB0NH5K	CC 0.22 UF 10V B	C3855	E7EYF4102M	CE 1000 UF 35V
C3024	CS0UB0214K	CC 0.01 UF 16V B	C3856	C0PLRR713K	CC 0.001 UF 2KV R
C3025	CS0RB0N17K	CC 10 UF 10V B	C4001	CS0UB0N15K	CC 0.1 UF 10V B
C3027	CS0UB0315K	CC 0.1 UF 25V B	C4003	CS0UB0N15K	CC 0.1 UF 10V B
C3028	CS0RB0N17K	CC 10 UF 10V B	C4005	CS0UB0N15K	CC 0.1 UF 10V B
C3029	CS0RB0N17K	CC 10 UF 10V B	C4006	CS0UB0P16K	CC 1 UF 6.3V B
C3030	CS0UB0315K	CC 0.1 UF 25V B	C4007	CS0UB0N15K	CC 0.1 UF 10V B
C3031	CS0UB04H3K	CC 0.0022UF 50V B	C4008	CS0UB0N15K	CC 0.1 UF 10V B
C3032	CS0UB04H3K	CC 0.0022UF 50V B	C4012	CS0UCH412J	CC 100 PF 50V CH
C3035	CS0RB0PH7M	CC 22 UF 6.3V B	C4015	E72BM0101M	CE 100 UF 6.3V
C3036	CS0RB0PH7M	CC 22 UF 6.3V B	C4016	E72BM0101M	CE 100 UF 6.3V
C3039	CS0RB0PH7M	CC 22 UF 6.3V B	C4019	CS0RB0PQ6K	CC 4.7 UF 6.3V B
C3040	CS0RB0N17K	CC 10 UF 10V B	C4020	CS0UB0N15K	CC 0.1 UF 10V B
C3041	CS0UB0N16K	CC 1 UF 10V B	C4023	CS0UB0N15K	CC 0.1 UF 10V B
C3045	CS0RB0PH7M	CC 22 UF 6.3V B	C4029	CS0UB0N15K	CC 0.1 UF 10V B
C3064	CS0PB0PQ6K	CC 4.7 UF 6.3V B	C4033	CS0UCH4K1J	CC 27 PF 50V CH
C3065	CS0RB02Q6K	CC 4.7 UF 16V B	C4036	CS0UB0N15K	CC 0.1 UF 10V B
C3085	CS0PB0N16K	CC 1 UF 10V B	C4037	CS0UCH4K1J	CC 27 PF 50V CH
C3086	CS0RB0N17K	CC 10 UF 10V B	C4038	CS0UB0N15K	CC 0.1 UF 10V B
C3090	CS0UB0N15K	CC 0.1 UF 10V B	C4043	CS0UB0314K	CC 0.01 UF 25V B
C3093	CS0RB0N17K	CC 10 UF 10V B	C4044	E72BM0220M	CE 22 UF 6.3V
C3094	CS0PB0N16K	CC 1 UF 10V B	C4045	CS0UB03U3K	CC 0.0068UF 25V B
C3601	CS0UB0N15K	CC 0.1 UF 10V B	C4047	E72BM0101M	CE 100 UF 6.3V
C3602	CS0UB0N15K	CC 0.1 UF 10V B	C4048	CS0UB0N15K	CC 0.1 UF 10V B
C3603	CS0UB0N15K	CC 0.1 UF 10V B	C4049	CS0UB0N15K	CC 0.1 UF 10V B
C3604	CS0UB0N15K	CC 0.1 UF 10V B	C4050	E72BM0101M	CE 100 UF 6.3V
C3605	CS0UB0N15K	CC 0.1 UF 10V B	C4051	E72BM0101M	CE 100 UF 6.3V
C3607	CS0UB0N15K	CC 0.1 UF 10V B	C4052	CS0UB0N15K	CC 0.1 UF 10V B
C3608	CS0RB0P17K	CC 10 UF 6.3V B	C4053	CS0UB0314K	CC 0.01 UF 25V B
C3610	CS0UB04Q3K	CC 0.0047UF 50V B	C4054	CS0UB0314K	CC 0.01 UF 25V B
C3611	CS0PB0NH6K	CC 2.2 UF 10V B	C4055	CS0UB0N15K	CC 0.1 UF 10V B
C3612	CS0UB04H3K	CC 0.0022UF 50V B	C4056	E72BM0101M	CE 100 UF 6.3V
C3613	CS0UB0214K	CC 0.01 UF 16V B	C4057	CS0UB0413K	CC 0.001 UF 50V B
C3801	CS0PB0316K	CC 1 UF 25V B	C4058	CS0UB0N15K	CC 0.1 UF 10V B
C3802	CS0RB04Q5K	CC 0.47 UF 50V B	C4059	CS0UB04E3K	CC 0.0015UF 50V B
C3803	CS0RB0416K	CC 1 UF 50V B	C4060	CS0UB0413K	CC 0.001 UF 50V B
C3804	CS0PB0413K	CC 0.001 UF 50V B	C4062	CS0UB0N15K	CC 0.1 UF 10V B
△ C3805	E718HC391D	CE 390 UF 200V	C4063	CS0UB0N15K	CC 0.1 UF 10V B
C3806	CS0PB0415K	CC 0.1 UF 50V B	C4064	CS0UB0N15K	CC 0.1 UF 10V B
C3807	CS0PB04H3K	CC 0.0022UF 50V B	C4066	CS0UB0P16K	CC 1 UF 6.3V B
△ C3808	P4K12D334K	CMPP 0.33 UF 310V	C4071	CS0UB0413K	CC 0.001 UF 50V B
C3809	CE39E0MQ2K	CC 470 PF 250V E	C4073	CS0UB0N15K	CC 0.1 UF 10V B
C3810	CS0PB03H5K	CC 0.22 UF 25V B	C4074	CS0UB0N15K	CC 0.1 UF 10V B
C3811	CE39E0MQ2K	CC 470 PF 250V E	C4088	CS0UCH4H2J	CC 220 PF 50V CH
△ C3812	C234SL6E1J	CC 15 PF 1KV SL	C4089	CS0UB03E4K	CC 0.015 UF 25V B
C3813	P4K10D224K	CMPP 0.22 UF 310V LE-MX	C4090	CS0UB0N15K	CC 0.1 UF 10V B
C3814	CS0PB0414K	CC 0.01 UF 50V B	C4101	CS0UCH4L2J	CC 330 PF 50V CH
C3815	CS3RB03H6K	CC 2.2 UF 25V B	C4102	CS0UCH4L2J	CC 330 PF 50V CH
C3817	CS0PB0415K	CC 0.1 UF 50V B	C4122	CS0UCH412J	CC 100 PF 50V CH
C3818	CS0PB0413K	CC 0.001 UF 50V B	C4123	CS0UCH412J	CC 100 PF 50V CH
C3819	E8E2U5100D	CE 10 UF 50V	C4201	CS0UB0N15K	CC 0.1 UF 10V B
C3820	E8E2U5100D	CE 10 UF 50V	C4202	CS0UB0N15K	CC 0.1 UF 10V B
C3821	E8E2U5100D	CE 10 UF 50V	C4212	CS0UB0215K	CC 0.1 UF 16V B
C3822	CS0RB0416K	CC 1 UF 50V B	C4217	CS0UB0N15K	CC 0.1 UF 10V B
C3823	E7EYT1102M	CE 1000 UF 10V	C4219	CS0UCH412J	CC 100 PF 50V CH
C3824	CS0PB0414K	CC 0.01 UF 50V B	C4220	CS0UB0N15K	CC 0.1 UF 10V B
C3825	E8E6FC470M	CE 47 UF 200V	C4221	CS0UB0N16K	CC 1 UF 10V B
C3826	CS0PB0315K	CC 0.1 UF 25V B	C4222	CS0UB0N15K	CC 0.1 UF 10V B
C3827	CS3RB03H6K	CC 2.2 UF 25V B	C4242	CS0UCH4Q1J	CC 47 PF 50V CH
C3828	CS3RB0316K	CC 1 UF 25V B	C5801	CS0RB0N17K	CC 10 UF 10V B
C3830	CS0PB0415K	CC 0.1 UF 50V B	C5802	CS0RB0N17K	CC 10 UF 10V B
C3831	CS0PB04H4K	CC 0.022 UF 50V B	C5803	CS0UB0413K	CC 0.001 UF 50V B
C3832	C0340R6Q2K	CC 470 PF 1KV R	C5804	CS0RB0N17K	CC 10 UF 10V B
C3833	C0340R613K	CC 0.001 UF 1KV R	C5805	CS0RB0N17K	CC 10 UF 10V B
C3834	CS0PB0414K	CC 0.01 UF 50V B	C5810	CS0UB0215K	CC 0.1 UF 16V B
C3835	E7EYU1221M	CE 220 UF 10V	C5812	CS0UB0413K	CC 0.001 UF 50V B
C3837	P4NBE5104H	CMPP 0.1 UF 630V FGSM	C5814	CS0UB0215K	CC 0.1 UF 16V B
C3840	CE39E0MH2K	CC 220 PF 250V E	C5815	CS0UB0N16K	CC 1 UF 10V B
C3841	E8E2U5470D	CE 47 UF 50V	C5817	CS0UB0N16K	CC 1 UF 10V B
△ C3843	CE39E0MH2K	CC 220 PF 250V E	C5822	CS0UB0N16K	CC 1 UF 10V B
C3844	CS0PB0315K	CC 0.1 UF 25V B	C5823	CS0UB0N16K	CC 1 UF 10V B
C3845	CS0PCH412J	CC 100 PF 50V CH	C5827	CS0UB0N16K	CC 1 UF 10V B
C3846	CS0PB0415K	CC 0.1 UF 50V B	C5828	CS0PCK410C	CC 1 PF 50V CK
C3847	CS0PB0315K	CC 0.1 UF 25V B	C5830	CS0UB0N16K	CC 1 UF 10V B
C3848	E9E8F3102D	CE 1000 UF 25V	C5832	CS0UB0215K	CC 0.1 UF 16V B

ELECTRICAL REPLACEMENT PARTS LIST

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
CAPACITORS			CAPACITORS		
C5844	CS0UB0214K	CC 0.01 UF 16V B	C8504	CS0UCH412J	CC 100 PF 50V CH
C5846	CS0UB0215K	CC 0.1 UF 16V B	C8507	CS0UCH4S2J	CC 560 PF 50V CH
C5848	CS0UB04Q3K	CC 0.0047UF 50V B	C8511	CS0UB0N15K	CC 0.1 UF 10V B
C5849	CS0UB04Q3K	CC 0.0047UF 50V B	C8512	CS0UB0N15K	CC 0.1 UF 10V B
C6201	CS0UB0215K	CC 0.1 UF 16V B	C8513	E72BM2100M	CE 10 UF 16V
C6202	CS0UB0215K	CC 0.1 UF 16V B	C8514	CS0UCH412J	CC 100 PF 50V CH
C6210	CS0UB0P14K	CC 0.01 UF 6.3V B	C8516	CS0UCH412J	CC 100 PF 50V CH
C6213	CS0PB0N16K	CC 1 UF 10V B	C8517	CS0UCH4U1J	CC 68 PF 50V CH
C6509	CS0UB0N16K	CC 1 UF 10V B	C8518	CS0UCH4U1J	CC 68 PF 50V CH
C7004	CS0PB0414K	CC 0.01 UF 50V B	C8519	E72BM2100M	CE 10 UF 16V
C7005	CS0PB04Q3K	CC 0.0047UF 50V B	C8520	CS0UB0314K	CC 0.01 UF 25V B
C7006	CS0PB0NH6K	CC 2.2 UF 10V B	C8521	CS0RB0N17K	CC 10 UF 10V B
C7007	CS0PB0414K	CC 0.01 UF 50V B	C8522	CS0RB0N17K	CC 10 UF 10V B
C7008	CS0PB0415K	CC 0.1 UF 50V B	C8523	CS0RB0N17K	CC 10 UF 10V B
C7009	CS0PB03H5K	CC 0.22 UF 25V B	C8524	CS0UCH412J	CC 100 PF 50V CH
C7010	CS0PB04Q3K	CC 0.0047UF 50V B	C8525	CS0UCH412J	CC 100 PF 50V CH
C7011	CS0PB04Q3K	CC 0.0047UF 50V B	C8529	CS0UB0314K	CC 0.01 UF 25V B
C7012	CS0PB03H5K	CC 0.22 UF 25V B	C8530	CS0UB0314K	CC 0.01 UF 25V B
C7013	CS0PCH4H2J	CC 220 PF 50V CH	C8531	CS0UB0414K	CC 0.01 UF 50V B
C7014	CS0PB0414K	CC 0.01 UF 50V B	C8532	CS0UB0N15K	CC 0.1 UF 10V B
C7015	CS0PB0N16K	CC 1 UF 10V B	C8533	CS0RB0N17K	CC 10 UF 10V B
C7016	CS0PB0414K	CC 0.01 UF 50V B	C8534	CS0UCH412J	CC 100 PF 50V CH
C7017	CS0PB0414K	CC 0.01 UF 50V B	C8536	CS0UB0315K	CC 0.1 UF 25V B
C7018	CS0PB03Q4K	CC 0.047 UF 25V B	C8539	CS0UB0315K	CC 0.1 UF 25V B
C7019	CS0PB0315K	CC 0.1 UF 25V B	C8540	CS0RB0PQ6K	CC 4.7 UF 6.3V B
C7020	E7EYF4102M	CE 1000 UF 35V	DIODES		
C7021	CS0PB0413K	CC 0.001 UF 50V B	D2201	0021E9Q010	LED LTL-1BEFJ-002A
C7022	CS0PB0415K	CC 0.1 UF 50V B	D2301	DD1R0100L0	DIODE SILICON DA2J10100L
C7027	CS0PCH4H2J	CC 220 PF 50V CH	D2302	DD1R0100L0	DIODE SILICON DA2J10100L
C7028	CS0PCH4H2J	CC 220 PF 50V CH	D3002	D27RB056L0	DIODE SCHOTTKY RB056L-40TE25
C7029	CS0PCH4H2J	CC 220 PF 50V CH	D3003	D27RB056L0	DIODE SCHOTTKY RB056L-40TE25
C7031	CS0PCH4H2J	CC 220 PF 50V CH	D3007	D27RB056L0	DIODE SCHOTTKY RB056L-40TE25
C7032	CS0PCH4H2J	CC 220 PF 50V CH	D3010	DD1R0100L0	DIODE SILICON DA2J10100L
C7033	CS0PCH4H2J	CC 220 PF 50V CH	D3011	DD7R0S3550	DIODE SILICON 1SS355 TE-17
C7034	CS0PCH4H2J	CC 220 PF 50V CH	D3617	DD1R0100L0	DIODE SILICON DA2J10100L
C7035	CS0SB0417M	CC 10 UF 50V B	D3619	DD1R0100L0	DIODE SILICON DA2J10100L
C7036	CS0SB0417M	CC 10 UF 50V B	D3628	DD1R0100L0	DIODE SILICON DA2J10100L
C7046	CS0SB0417M	CC 10 UF 50V B	D3803	D2Z05SB800	DIODE, BRIDGE D5SB80
C7047	CS0SB0417M	CC 10 UF 50V B	△D3804	D7KE101720	DIODE VARISTA S10K175E2S5M4
C7049	CRGTB0413K	CC 0.001 UF 50V B	D3805	DJBUA30012	DIODE ZENER HZS30NB2
C7050	CRGTB0413K	CC 0.001 UF 50V B	D3807	D4CTN40060	DIODE SILICON 1N4006-A5
C7051	CRGTB0413K	CC 0.001 UF 50V B	D3808	D4CTN40060	DIODE SILICON 1N4006-A5
C7052	CRGTB0413K	CC 0.001 UF 50V B	D3809	D27RB056L0	DIODE SCHOTTKY RB056L-40TE25
C7053	CRGTB0413K	CC 0.001 UF 50V B	D3810	D4CT01H6A0	DIODE RECTIFIER 1H6-A2
C7054	CRGTB0413K	CC 0.001 UF 50V B	D3811	D4CTN40060	DIODE SILICON 1N4006-A5
C7055	CRGTB0413K	CC 0.001 UF 50V B	D3812	DE7RB1502B	DIODE ZENER UDZSNP15B TE-17
C7056	CRGTB0413K	CC 0.001 UF 50V B	D3813	DJBUA15012	DIODE ZENER HZS15NB2
C7057	C234SLB11J	CC 10 PF 6KV SL	D3814	D27RB056L0	DIODE SCHOTTKY RB056L-40TE25
C7058	C234SLB11J	CC 10 PF 6KV SL	D3815	DJBUA30012	DIODE ZENER HZS30NB2
C7059	C234SLB11J	CC 10 PF 6KV SL	D3816	DJBUA33012	DIODE ZENER HZS33NB2
C7060	C234SLB11J	CC 10 PF 6KV SL	D3817	DK1T2D1400	POWER CLAMPER ST02D-140
C7061	C234SLB11J	CC 10 PF 6KV SL	D3818	D4JX001F50	DIODE SILICON 1F5
C7062	C234SLB11J	CC 10 PF 6KV SL	D3819	D2AA045CT0	DIODE SCHOTTKY BARRIER MBRF1045CT
C7063	C234SLB11J	CC 10 PF 6KV SL	D3820	D4JX001F50	DIODE SILICON 1F5
C7064	C234SLB11J	CC 10 PF 6KV SL	D3821	D28A10A061	DIODE SCHOTTKY BARRIER FCQS10A065
C8056	CS0UCH4S2J	CC 560 PF 50V CH	D3822	D28A10A080	DIODE SCHOTTKY BARRIER FCHS10A08
C8101	CS0PCH4Q1J	CC 47 PF 50V CH	D3823	DGERMA1110	DIODE SILICON MA111-(TX)
C8102	CS0RB0N17K	CC 10 UF 10V B	D3824	D2AA045CT0	DIODE SCHOTTKY BARRIER MBRF1045CT
C8103	CS0PCH4Q1J	CC 47 PF 50V CH	D3825	DE7RB8R22B	DIODE ZENER UDZSNP8.2B TE-17
C8104	CS0RB0N17K	CC 10 UF 10V B	D3826	DJBUA30012	DIODE ZENER HZS30NB2
C8105	CS0PCH412J	CC 100 PF 50V CH	D4001	DD1R0100L0	DIODE SILICON DA2J10100L
C8106	CS0PCH4Q1J	CC 47 PF 50V CH	D5801	D61R0V8001	DIODE VARISTA EZJ20V80010
C8107	CS0PCH412J	CC 100 PF 50V CH	D7001	DD1R0100L0	DIODE SILICON DA2J10100L
C8108	CS0PCH4Q1J	CC 47 PF 50V CH	D7002	DD1R0100L0	DIODE SILICON DA2J10100L
C8111	CS0PCH412J	CC 100 PF 50V CH	D7003	D1VT001330	DIODE, SILICON 1SS133T-77
C8112	CS0PCH412J	CC 100 PF 50V CH	D7004	D1VT001330	DIODE, SILICON 1SS133T-77
C8113	CS0PCH4Q1J	CC 47 PF 50V CH	D7005	D1VT001330	DIODE, SILICON 1SS133T-77
C8114	CS0PCH412J	CC 100 PF 50V CH	D7006	D1VT001330	DIODE, SILICON 1SS133T-77
C8116	CS0PB0N16K	CC 1 UF 10V B	D7007	D1VT001330	DIODE, SILICON 1SS133T-77
C8117	CS0PCH412J	CC 100 PF 50V CH	D7008	D1VT001330	DIODE, SILICON 1SS133T-77
C8122	CS0RB0216K	CC 1 UF 16V B	D7009	D1VT001330	DIODE, SILICON 1SS133T-77
C8123	CS0RB0216K	CC 1 UF 16V B	D7010	D1VT001330	DIODE, SILICON 1SS133T-77
C8124	E70QU2470M	CE 47 UF 16V	D7013	DD1R0100L0	DIODE SILICON DA2J10100L
C8125	E70QU2470M	CE 47 UF 16V	D7014	DD1R0100L0	DIODE SILICON DA2J10100L
C8126	CS0RB0N17K	CC 10 UF 10V B	D7015	DD1R0100L0	DIODE SILICON DA2J10100L
C8127	CS0RB0N17K	CC 10 UF 10V B	D7017	DD1R0100L0	DIODE SILICON DA2J10100L
C8501	CS0RB0PQ6K	CC 4.7 UF 6.3V B	D7018	DD1R0100L0	DIODE SILICON DA2J10100L

ELECTRICAL REPLACEMENT PARTS LIST

REF. NO.	PART NO.	DESCRIPTION		REF. NO.	PART NO.	DESCRIPTION	
DIODES				TRANSISTORS			
D7019	DD1R0100L0	DIODE SILICON	DA2J10100L	Q3804	TAAA1504SY	TRANSISTOR SILICON	KTA1504S_Y_RTK
D7020	DD1R0100L0	DIODE SILICON	DA2J10100L	Q3805	TJX06NF250	FET	STF16NF25
D7021	D1VT001330	DIODE,SILICON	1SS133T-77	Q3806	TJX06NF250	FET	STF16NF25
D7022	D1VT001330	DIODE,SILICON	1SS133T-77	Q3807	T27T030190	FET	2SK3019_TL
D7023	D1VT001330	DIODE,SILICON	1SS133T-77	Q4201	TPRAC05003	COMPOUND TRANSISTOR	RT1P241C-T112-1
D7024	D1VT001330	DIODE,SILICON	1SS133T-77	Q4202	T8RA030520	TRANSISTOR SILICON	2SC3052-T1
D7025	D1VT001330	DIODE,SILICON	1SS133T-77	Q4203	TJRA12AU10	FET	INK0012AU1
D7026	D1VT001330	DIODE,SILICON	1SS133T-77	Q4204	TJRA12AU10	FET	INK0012AU1
D7027	D1VT001330	DIODE,SILICON	1SS133T-77	Q4205	TNRAB05004	COMPOUND TRANSISTOR	RT1N141C-T112-1
D7028	D1VT001330	DIODE,SILICON	1SS133T-77	Q4302	TJRA12AU10	FET	INK0012AU1
D7029	D1VT001330	DIODE,SILICON	1SS133T-77	Q4303	TJRA12AU10	FET	INK0012AU1
D7030	D1VT001330	DIODE,SILICON	1SS133T-77	Q6203	TPRAC05003	COMPOUND TRANSISTOR	RT1P241C-T112-1
D7031	D1VT001330	DIODE,SILICON	1SS133T-77	Q6204	TPRAC05003	COMPOUND TRANSISTOR	RT1P241C-T112-1
D7032	D1VT001330	DIODE,SILICON	1SS133T-77	Q6205	TNRAB05004	COMPOUND TRANSISTOR	RT1N141C-T112-1
D7033	D1VT001330	DIODE,SILICON	1SS133T-77	Q7001	TCAA3875SY	TRANSISTOR SILICON	KTC3875S_Y_RTK
D7034	D1VT001330	DIODE,SILICON	1SS133T-77	Q7002	TCAA3875SY	TRANSISTOR SILICON	KTC3875S_Y_RTK
D7035	D1VT001330	DIODE,SILICON	1SS133T-77	Q7003	T2W0037020	FET	2SK3702JS
D7036	D1VT001330	DIODE,SILICON	1SS133T-77	Q7004	T2W0037020	FET	2SK3702JS
D8501	DEBRB5R1B2	DIODE ZENER	RKZ5.1B2KG	Q7005	T2W0037020	FET	2SK3702JS
D8502	D28R11FS40	DIODE SCHOTTKY	EC11FS4-TE12L	Q7006	T2W0037020	FET	2SK3702JS
D8503	D28R11FS40	DIODE SCHOTTKY	EC11FS4-TE12L	Q8101	TCAA3875SY	TRANSISTOR SILICON	KTC3875S_Y_RTK
ICS				Q8102	TCAA3875SY	TRANSISTOR SILICON	KTC3875S_Y_RTK
IC301	I0WFP13TR0	SOUND AMP 2*20W	STA333W13TR	Q8103	TCAA3875SY	TRANSISTOR SILICON	KTC3875S_Y_RTK
△ IC2301	I1UFV5888S	5CH MOTOR DRIVER IC	SA5888TR	Q8104	TCAA3875SY	TRANSISTOR SILICON	KTC3875S_Y_RTK
IC2801	I56M069830	SCALER C8	R8A6983BG-U0	Q8105	TPAAA05001	COMPOUND TRANSISTOR	KRA1015RTK
IC2802	IGXM05162E	DDR2-800 512M CL=5	H5PS5162FFR-S5C	Q8106	TCAA3875SY	TRANSISTOR SILICON	KTC3875S_Y_RTK
IC2803	S56P02WE01	MEMORY DATA 32K EEPROM BR24G32F-WE2	BR24G32F-WE2	Q8107	TCAA3875SY	TRANSISTOR SILICON	KTC3875S_Y_RTK
IC2804	-----	MEMORY DATA 32MBIT FLASH TSOP8	EN25F32-100HIP(T)	Q8108	TCAA3875SY	TRANSISTOR SILICON	KTC3875S_Y_RTK
IC2805	I1JN062050	500MA HIGH SIDE SW	MP6205DD-LF-Z	Q8503	TJ5AJ325F0	FET	SSM3J325F
IC2806	I55J0052A0	DUAL 4CH ANALOG MULTIPLEXER	TC74VHC4052AFTELKM	Q8504	TNRAC05003	COMPOUND TRANSISTOR	RT1N241C-T112-1
IC3001	ILNJ982BH0	REGULATOR 3.3V1.2V	RT8282BHGSP	Q8506	T27T035410	FET	2SK3541_T2L
IC3002	I1ZF9110D0	VO=11V REG	R1190H110D-T1-F	Q8507	T27T035410	FET	2SK3541_T2L
△ IC3003	ILNJ990250	REGULATOR 1.8V	RT9025-18GSP	Q8508	TJ5AJ325F0	FET	SSM3J325F
△ IC3004	I1ZF9K5010	REGULATOR 5.0V	RP131K501D-TR	Q8509	TNRAC05003	COMPOUND TRANSISTOR	RT1N241C-T112-1
△ IC3005	I1ZF9K3310	REGULATOR 3.3V	RP131K331D-TR	Q8510	TCAA3875SY	TRANSISTOR SILICON	KTC3875S_Y_RTK
△ IC3006	ILNJ982BH0	REGULATOR 3.3V1.2V	RT8282BHGSP	△ Q8511	TAAA1505SY	TRANSISTOR SILICON	KTA1505S-Y-RTK/P
△ IC3009	I1ZF9121D0	REGULATOR 1.2V	RP131H121D-T1-F	Q8512	TCAA3875SY	TRANSISTOR SILICON	KTC3875S_Y_RTK
IC3601	ILUK066330	HDMI SW	IT6633E-P	COILS & TRANSFORMERS			
IC3801	I1KJ9A431A	VARIABLE SHUNT REGULATOR TAPE	KIA431A-AT	L300	021AMG220M	COIL	22 UH
IC3802	I16D052030	CURRENT RESONANT CTL IC	MCZ5203NA-7101	L301	021AMG220M	COIL	22 UH
IC3803	I55D0P2M40	VDSS=700V F=67KHZ	MIP2M40MSSCF	L302	021AMG220M	COIL	22 UH
IC3804	000220002W	PHOTO COUPLER	PS2561AL1-1-V(W)	L303	021AMG220M	COIL	22 UH
IC3805	000220002W	PHOTO COUPLER	PS2561AL1-1-V(W)	L2801	02DA000124	COIL CHOKE	DLP11SN900HL2L
IC3806	I1KJ9A431A	VARIABLE SHUNT REGULATOR TAPE	KIA431A-AT	L3001	021AMF6R8P	COIL	6.8 UH
IC3809	000220002W	PHOTO COUPLER	PS2561AL1-1-V(W)	L3002	021AMF3R3P	COIL	3.3 UH
IC4001	IC8K0389K0	DVD MPEG 128PIN MEDIATEK	MT1389QE/K-L	L3601	02D1000119	COIL CHOKE	EXC28CG900U
IC4004	IGFJ025Q80	MEMORY DATA FLASH ROM(8M) EN25Q80A-100HIP	EN25Q80A-100HIP	L3602	02D1000119	COIL CHOKE	EXC28CG900U
IC4005	IG2J08165G	SDRAM(64M)EM638165TS-6G(70NM)	EM638165TS-6G(70NM)	L3603	02D1000119	COIL CHOKE	EXC28CG900U
IC4201	IC7C9292A0	RESET IC 2.9V DELAY NCH SC-88	R3112Q292A-TR-FE	L3604	02D1000119	COIL CHOKE	EXC28CG900U
IC4202	IC7C9292A0	RESET IC 2.9V DELAY NCH SC-88	R3112Q292A-TR-FE	L3801	029B000186	COIL,LINE FILTER	JLB28121
IC5801	I1ZF9K3310	REGULATOR 3.3V	RP131K331D-TR	L3803	02167E100K	COIL	10 UH
IC5802	I1ZF9K1810	REGULATOR 1.8V	RP131K181D-TR	L5807	021AML5N6E	COIL	0.0056UH
IC5803	ILVN003010	WW RF SI-TUNER	MXL301RF	L5808	021AMK3N6C	COIL	0.0036UH
IC6201	IC7C0292C0	RESET IC 2.9V CMOSL" SC-88A"	R3111Q292C-TR-FE	L5809	021AML33NJ	COIL	0.033 UH
IC6502	I55F0A53FU	A/V SW 2IN 1OUT	TC7PA53FU(T5L,F,T)	L5810	021AMLR12J	COIL	0.12 UH
IC7001	I1EF099720	26WLCD INVERTER CONTROL IC	OZ9972ASN-A1-2-TR	L8501	021ES11R8K	COIL	1.8 UH
IC8501	IL4J045580	AUDIO OPE-AMP SOP8	AZ4558C	T3801	048728001H	TRANSFORMER,SWITCHING	8728001H
△ IC8502	I1ZF981D50	REGULATOR 1.8V	RP131H181D5-T1-F	T3802	0481190201	TRANSFORMER,SWITCHING	81190201
△ IC8503	I1ZF9331D0	REGULATOR 3.3V	RP131H331D-T1-F	T7001	0481330231	TRANSFORMER,SWITCHING	ETJV23ZG35AC
TRANSISTORS				T7002	0481330231	TRANSFORMER,SWITCHING	ETJV23ZG35AC
Q2301	TCAA3875SY	TRANSISTOR SILICON	KTC3875S_Y_RTK	T7003	0481330231	TRANSFORMER,SWITCHING	ETJV23ZG35AC
Q2302	TAAA1505SY	TRANSISTOR SILICON	KTA1505S-Y-RTK/P	T7004	0481330231	TRANSFORMER,SWITCHING	ETJV23ZG35AC
Q2303	TAAA1505SY	TRANSISTOR SILICON	KTA1505S-Y-RTK/P	JACKS			
Q2304	TCAA3875SY	TRANSISTOR SILICON	KTC3875S_Y_RTK	J3801	064Q1A0014	JACK,AC	CCT2302-0921FC
Q2305	TCAA3875SY	TRANSISTOR SILICON	KTC3875S_Y_RTK	J4201	060K401144	RCA JACK	AV-4B-75H
Q2801	TNRAC05003	COMPOUND TRANSISTOR	RT1N241C-T112-1	J4302	060K131027	HEADPHONE JACK	CKX-035-349ABZ1
Q2802	TNRAC05003	COMPOUND TRANSISTOR	RT1N241C-T112-1	J5801	06K6910002	CONNECTOR PCB SIDE	FG-01-1
Q2808	TJ5A104TU0	FET	SSM3K104TU(T5L,T)	J8101	060K421056	RCA JACK	AV-5A-66H
Q3003	TNRAB05004	COMPOUND TRANSISTOR	RT1N141C-T112-1	J8102	060K421058	RCA JACK	AV-5A-68H
Q3004	TPRAC05003	COMPOUND TRANSISTOR	RT1P241C-T112-1	J8103	060K421057	RCA JACK	AV-5A-67H
Q3007	TJRA12AU10	FET	INK0012AU1	J8104	060K481001	RCA JACK	AV3-6B-15H
△ Q3008	TJ5MC61100	FET	TPC6110(TE85L,F,M)	J8105	060K431043	RCA JACK	AV3-6D-14H
Q3608	TJRA12AU10	FET	INK0012AU1	J8106	060K411059	RCA JACK	AV2-6B-08Z
Q3609	TJRA12AU10	FET	INK0012AU1	SWITCHES			
Q3801	TAAT01281Y	TRANSISTOR SILICON	KTA1281_Y	SW2201	0504101T34	SWITCH,TACT	EVQ21505R
Q3802	TCAA3875SY	TRANSISTOR SILICON	KTC3875S_Y_RTK	SW2202	0504101T34	SWITCH,TACT	EVQ21505R
Q3803	TCAA3875SY	TRANSISTOR SILICON	KTC3875S_Y_RTK	SW2203	0504101T34	SWITCH,TACT	EVQ21505R

ELECTRICAL REPLACEMENT PARTS LIST

REF. NO.	PART NO.	DESCRIPTION		REF. NO.	PART NO.	DESCRIPTION	
SWITCHES				MISCELLANEOUS			
SW2204	0504101T34	SWITCH,TACT	EVQ21505R	CP2202	06GG230019	CONNECTOR PCB SIDE	A2001WR-3A
SW2205	0504101T34	SWITCH,TACT	EVQ21505R	CP2301	06GGVMT030	CONNECTOR PCB SIDE	FPC1.0D-WTX-22P
SW2206	0504101T34	SWITCH,TACT	EVQ21505R	CP2302	069EV5T011	CONNECTOR PCB SIDE	04_6232_105_102_800+
SW2207	0504101T34	SWITCH,TACT	EVQ21505R	CP2303	069EV4T011	CONNECTOR PCB SIDE	04_6232_104_102_800+
SW2208	0504101T34	SWITCH,TACT	EVQ21505R	CP2801	06GG270029	CONNECTOR PCB SIDE	A2001WV-7A
P.C.BOARD ASSEMBLIES				CP2802	06GG2B0029	CONNECTOR PCB SIDE	A2001WV-11A
PCB130	A56P02W130	DVD MT PCB ASS'Y	DMK135A	CP2803	06GSA11010	CONNECTOR PCB SIDE	C-001-5-4K221000
PCB240	A56P02W240	POWER PCB ASS'Y	CEK671A	CP2804	06GG2U0049	CONNECTOR PCB SIDE	A2006WR-2*15P
PCB270	A56P02W270	OPERATION PCB ASS'Y	CEK672A	CP3002	06GG260029	CONNECTOR PCB SIDE	A2001WV-6A
PCBD90	A56P02WD90	SIDE JACK PCB ASS'Y	CEK677A	CP3003	069E7M0630	CONNECTOR PCB SIDE	00_6216_022_000_808+
PCBDA0	A56P02WDA0	REMOCON PCB ASS'Y	CEK673A	CP3601	06GSYJ302C	CONNECTOR PCB SIDE	C-HDM-2-KK223000
PCBF40	A56P02WF40	MAIN PCB ASS'Y	CMK201B	CP3602	06GSYJ302C	CONNECTOR PCB SIDE	C-HDM-2-KK223000
MISCELLANEOUS				CP4201	069KYOT159	CONNECTOR PCB SIDE	LD07T2-24ND-03
B300	024HC51216	CORE,BEADS	HCB1608KF-121T20	CP4202	069EVQ3030	CONNECTOR PCB SIDE	00_6232_026_006_800+
B301	024HC51216	CORE,BEADS	HCB1608KF-121T20	CP4203	06G7S21501	CONNECTOR PCB SIDE	WD-00021-R
B302	024HC13914	CORE,BEADS	HCB3216KF-391T20	CP4204	069EVC3030	CONNECTOR PCB SIDE	00_6232_012_006_800+
B303	024HC13914	CORE,BEADS	HCB3216KF-391T20	CP6201	06GG250029	CONNECTOR PCB SIDE	A2001WV-5A
B304	024HC13914	CORE,BEADS	HCB3216KF-391T20	CP6204	06CH235602	CORD CONNECTOR	CH235602
B305	024HC13914	CORE,BEADS	HCB3216KF-391T20	CP7001	06GRW20019	CONNECTOR PCB SIDE	20015WR-07LD01
B2305	024HC56013	CORE,BEADS	FCM1608KF-601T02	CP7002	06GRW20019	CONNECTOR PCB SIDE	20015WR-07LD01
B2306	024HC56013	CORE,BEADS	FCM1608KF-601T02	CP7003	06GRW20019	CONNECTOR PCB SIDE	20015WR-07LD01
B2801	024NC52211	CORE,BEADS	EBMS160808A221 0.6A	CP7004	06GRW20019	CONNECTOR PCB SIDE	20015WR-07LD01
B2802	024NC52211	CORE,BEADS	EBMS160808A221 0.6A	CP8101	069EVQ3030	CONNECTOR PCB SIDE	00_6232_026_006_800+
B2803	024NC56004	CORE,BEADS	ACMS201209A600_RDC025	CP8102	069EVC3030	CONNECTOR PCB SIDE	00_6232_012_006_800+
B2805	024HC51816	CORE,BEADS	HCB1608KF-181T20	CP8501	06G6YOT019	CONNECTOR PCB SIDE	05010HR-24B
B2806	024NC52212	CORE,BEADS	ACMS160808A221_2A	CP8502	06GG260019	CONNECTOR PCB SIDE	A2001WR-6A
B2807	024NC52212	CORE,BEADS	ACMS160808A221_2A	EL2401	124116281A	EYE LET	EYE LET XRY16X28BD
B2808	024NC52212	CORE,BEADS	ACMS160808A221_2A	EL2402	124120301A	EYE LET	EYE LET XRY20X30BD
B2809	024NC52212	CORE,BEADS	ACMS160808A221_2A	F3801	0805A06303	FUSE	SG501306.3P-R(GF-009)
B2810	024NC52212	CORE,BEADS	ACMS160808A221_2A	F3807	0835A07005	MICRO FUSE	20N_7000FSW
B2811	024NC52212	CORE,BEADS	ACMS160808A221_2A	HS301	126D000044	TERMINAL PIN	YQ-36
B2812	024NC52212	CORE,BEADS	ACMS160808A221_2A	HS302	126D000044	TERMINAL PIN	YQ-36
B2813	024NC52212	CORE,BEADS	ACMS160808A221_2A	HS303	126D000044	TERMINAL PIN	YQ-36
B3004	024NC51212	CORE,BEADS	ACMS160808A121_2A	NR2804	110P4220M5	R.NETWORK	4D02WGJ0220TCE
B3010	024NC51812	CORE,BEADS	ACMS160808A181_RDC08	NR2805	110P4220M5	R.NETWORK	4D02WGJ0220TCE
B3011	024NC51812	CORE,BEADS	ACMS160808A181_RDC08	NR2806	110P2000M2	R.NETWORK	2D02WGJ0000TCE
B3012	024NC51812	CORE,BEADS	ACMS160808A181_RDC08	NR2807	110P2000M2	R.NETWORK	2D02WGJ0000TCE
B3015	024NC51812	CORE,BEADS	ACMS160808A181_RDC08	NR2808	110P2000M2	R.NETWORK	2D02WGJ0000TCE
B3020	024NC51812	CORE,BEADS	ACMS160808A181_RDC08	NR2809	11074223M7	R.NETWORK	CRA108223JV
B3601	024NC52212	CORE,BEADS	ACMS160808A221_2A	NR2810	11074223M7	R.NETWORK	CRA108223JV
B3801	024AC1121G	CORE,BEADS	BLM31PG121SN1L	NR2811	11074223M7	R.NETWORK	CRA108223JV
B3802	024HT03553	CORE,BEADS	W5RH3.5X5X1.0	NR2812	110P2000M2	R.NETWORK	2D02WGJ0000TCE
B4003	024HC51023	CORE,BEADS	FCM1608KF-102T02	NR2813	11074223M7	R.NETWORK	CRA108223JV
B4007	024AC5221F	CORE,BEADS	BLM18BD221SN1D	NR2816	110P2000M2	R.NETWORK	2D02WGJ0000TCE
B4008	024HC51023	CORE,BEADS	FCM1608KF-102T02	NR4002	11074330M7	R.NETWORK	CRA108330JV
B4010	024HC51023	CORE,BEADS	FCM1608KF-102T02	OS7601	077Q038009	REMOTE RECEIVER	KSM-2003TCW2P
B4012	024HC51023	CORE,BEADS	FCM1608KF-102T02	△ SP301	070Y056012	SPEAKER	S0412F20
B4202	024HC51023	CORE,BEADS	FCM1608KF-102T02	SP302	070Y056012	SPEAKER	S0412F20
B4203	024HC51023	CORE,BEADS	FCM1608KF-102T02	SH3002	126D000044	TERMINAL PIN	YQ-36
B4205	024NC51212	CORE,BEADS	ACMS160808A121_2A	SH3801	126D000044	TERMINAL PIN	YQ-36
B4206	024HC51023	CORE,BEADS	FCM1608KF-102T02	SH3802	126D000044	TERMINAL PIN	YQ-36
B4207	024HC51023	CORE,BEADS	FCM1608KF-102T02	SH3803	126D000044	TERMINAL PIN	YQ-36
B4208	024HC51023	CORE,BEADS	FCM1608KF-102T02	SH3804	126D000044	TERMINAL PIN	YQ-36
B4209	024HC51023	CORE,BEADS	FCM1608KF-102T02	SH7001	126D000044	TERMINAL PIN	YQ-36
B5802	024NC51212	CORE,BEADS	ACMS160808A121_2A	SH7002	126D000044	TERMINAL PIN	YQ-36
B5803	024NC51212	CORE,BEADS	ACMS160808A121_2A	TM101	076R0SC011	TRANSMITTER	R56-2225
B5804	024NC51212	CORE,BEADS	ACMS160808A121_2A	TH3801	DSVEHE4R7M	THERMISTOR	B57237S0479M000
B5805	024NC51212	CORE,BEADS	ACMS160808A121_2A	V2801	A56P02W360	LCD MODULE ASS'Y	V260B3-P06 OR1
B5806	024NC51212	CORE,BEADS	ACMS160808A121_2A	X2801	100JT02513	CRYSTAL	KAC-2010
B5808	024NC51212	CORE,BEADS	ACMS160808A121_2A	X4001	100GT02727	CRYSTAL	SMD-49 C27000J029
B5809	024NC51212	CORE,BEADS	ACMS160808A121_2A	X5801	100DT02425	CRYSTAL	DSX321G
B6502	024HC52216	CORE,BEADS	HCB1608KF-221T20	RESISTOR			
B8501	024NC51212	CORE,BEADS	ACMS160808A121_2A	RC.....		CARBON RESISTOR	
B8503	024HC52216	CORE,BEADS	HCB1608KF-221T20	CAPACITORS			
B8504	024HC52216	CORE,BEADS	HCB1608KF-221T20	CC.....		CERAMIC CAPACITOR	
CD301	06CP145007	CORD CONNECTOR	CP145007	CE.....		ALUMI ELECTROLYTIC CAPACITOR	
△ CD501	120Q118902	CORD SET AC	P201-2980-1	CP.....		POLYESTER CAPACITOR	
CP001	069E7M0630	CONNECTOR PCB SIDE	00_6216_022_000_808+	CPP.....		POLYPROPYLENE CAPACITOR	
CP301	06GG140019	CONNECTOR PCB SIDE	A2502WR-4A	CPL.....		PLASTIC CAPACITOR	
CD1201	06EH2U1603	CORD CONNECTOR	EH2U1603	CMP.....		METAL POLYESTER CAPACITOR	
CD3002	12C40M1703	CORD JUMPER	2C40M1703	CML.....		METAL PLASTIC CAPACITOR	
CD3003	06CH266801	CORD CONNECTOR	CH266801	CMPP.....		METAL POLYPROPYLENE CAPACITOR	
CD4201	12C44O7001	CORD JUMPER	C44O7001				
CD4202	122H0Q0601	CORD JUMPER	2H0Q0601				
CD4203	12C44C0601	CORD JUMPER	C44C0601				
CD6207	06CH256101	CORD CONNECTOR	CH256101				
CP2201	06GG250019	CONNECTOR PCB SIDE	A2001WR-5A				

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